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AUTHOR INDEX TO VOLUME 128

Names of authors of all articles and letters are listed in alphabetical order in this index. Full citation is given under first author only; reference is made from joint authors. Names that begin with a prefix are entered under the prefix. Articles that appear only on the ARCHIVES Web site have a lowercase e preceding their page numbers. See the Table of Contents in any issue beginning in January 2004 for information on where to find the Web-only articles. The month is given as a 2-letter notation in parentheses.

A

- Abbott JJ, Amirkhan RH, Hoang MP: Malignant melanoma with a rhabdoid phenotype: histologic, immunohistochemical, and ultrastructural study of a case and review of the literature, 686 (Je)
 Abraham NZ Jr see Chandan VS; Mukhopadhyay S
 Abramowsky C see Black JO
 Acharya R see Wang D
 Adcock DM, Koftan C, Crisan D, Kiechle FL: Effect of polymorphisms in the cytochrome P450 CYP2C9 gene on warfarin anticoagulation, 1360 (De)
 Adeagbo BA, Shertz W: Pathologic quiz case: patient with testicular pain: benign Leydig cell tumor, 105 (Ja)
 Adem K, Nassar A: Pathologic quiz case: fine-needle aspiration of lytic bone lesions in a 63-year-old woman: metastatic basal cell carcinoma to the bone in Gorlin syndrome, 819 (Jy)
 Agaram NP, Collins BM, Barnes L, Lomago D, Aldeeb D, Swalsky P, Finkelstein S, Hunt JL: Molecular analysis to demonstrate that odontogenic keratocysts are neoplastic, 313 (Mr)
 Agarwal N see Arya SC (2 entries)
 Agarwal R see Song K
 Agarwal S see Arya SC
 Agni R see Caya JG
 Aisner S see Baisre A
 Akpinar B see Duman BS
 Al-Abbadi M see Al-Quran SZ
 Al-Abbadi MA, Spanta R: Pathologic quiz case: a 34-year-old woman with abdominal pain and a large right multicystic ovarian mass: müllerian adenosarcoma arising in an endometriotic cyst, 1057 (Se)
 Al-Abbadi MA see Papas P
 Alberghini M see Bertoni F
 Albores-Saavedra J see Henson DE
 Aldeeb D see Agaram NP
 Alexis JB see Martinez AE
 Ali SZ see Halushka MK; Parwani AV (4 entries)
 Algerian K, Evans AJ: Pathologic quiz case: a 44-year-old woman with an incidental asymptomatic renal mass: atypical epithelioid angiolipoma, 1176 (Oc)
 Alkan S see Rubins TC
 Allegretto MW see O'Hara CD
 Allen TC, Chavez-Barrios P, Shtlar DJ, Cagle PT: Pulmonary and ophthalmic involvement with Erdheim-Chester disease: a case report and review of the literature, 1428 (De)
 Allison KH, Fligner CL, Parks WT: Radiographically occult, diffuse intrasinusoidal hepatic metastases from primary breast carcinomas: a clinicopathologic study of 3 autopsy cases, 1418 (De)
 Allsbrook WC Jr see Wade ZK
 Alman BA see Khurana JS
 Almanaseer I see Angeles RM
 Al-Quran SZ, Al-Abbadi M, Braylan RC: In hematopathology, love is everywhere, 1309 (No)
 Ambros RA see Anwar S
 Amin M see Salama ME
 Amini S see Enam S
 Amirkhan RH see Abbott JJ
 An T, Tabacka P: The use of polarization microscopy in the diagnosis of Pneumocystis pneumonia, 363 (Mr)
 Angeles RM, August CZ, Weisenberg E: Pathologic quiz case: an incidentally detected mass of the uterine cervix: mesonephric adenocarcinoma of the cervix, 1179 (Oc)
 Angeles RM, Caglar D, Almanaseer I: Pathologic quiz case: right renal mass found incidentally in a 44-year-old woman: metanephric adenoma, 926 (Au)
 Ansari NA see Wazir JF
 Anwar S, Ambros RA, Jennings TA, Ross JS, Beza A, Mian B, Nazeer T: Expression of cysteine protease protein 32 in prostatic adenocarcinoma correlates with tumor grade, 649 (Je)
 Apfelroth S: Zero-Check: a zero-knowledge protocol for

- reconciling patient identities across institutions [letter], 954 (Se)
 Apple FS, Quist HE, Murakami MM: Diagnostic and prognostic value of cardiac troponin I assays in patients admitted with symptoms suggestive of acute coronary syndrome, 430 (Ap)
 Arain S see Chedid A
 Aranda FI see Niveiro M
 Argani P see Fleury AM; Wade ZK
 Arias LF see Bertoni F
 Arora VK see Malhotra P
 Arya SC, Agarwal N: Spinal cord neuropathology in human West Nile virus infection [letter], 1210 (No)
 Arya SC, Agarwal N, Agarwal S: Use of polymerase chain reaction to diagnose tubercular arthritis from joint tissues and synovial fluid [letter], 1326 (De)
 Ashton-Sager A, Konia T: Tracheal stenosis due to cytomegalovirus, 1050 (Se)
 Ashwood ER see Erickson JA; Lo SF
 Au WY see Chan GS
 August CZ see Angeles RM
 Avoleto P see Terracciano LM
 Aydin H, Omeroglu G, Omeroglu A: Pathologic quiz case: incidental bilateral testicular nodules in an African American man: large cell calcifying Sertoli cell tumor, 587 (My)
 Ayscue LH see Voorhees PM
 Azam M see Salama ME

B

- Bacchi CE see Corpa MVN
 Bacchi MM see Corpa MVN
 Bacchini P see Bertoni F; Taylor S
 Bacci S see Buccoliero AM
 Bachner P, Thomas L, Gavan, MD, 389 (Ap)
 Badve S see Schultz AM
 Baehring JM, Dickey PS, Bannayk SI: Epithelioid hemangioendothelioma of the suprapubic area: a case report and review of the literature, 1289 (No)
 Baila H, Chediak J, Weisenberg E: Pathologic quiz case: a 29-year-old woman with thrombocytosis: chronic myelogenous leukemia, e63 (Ap)
 Baisre A, Aisner S, Blacksin M, Benevenia J, Hameed MR: Pathologic quiz case: an 18-year-old man with pain and swelling of the left hand: chondroblastoma, e120 (Se)
 Baker KA see Laios E
 Bakker A see Mohan D
 Bakshi NA see Sharaf El-Dean MZ
 Banki K see Mukhopadhyay S
 Bannayk SI see Baehring JM
 Bara L see Desjardins L
 Bardin RL, Barnes CE, Stanton CA, Geisinger KR: Soft tissue amyloidoma: of the extremities: a case report and review of the literature, 1270 (No)
 Bardin RL, Trupiano JK, Howerton RM, Geisinger KR: Oncocytic biliary cystadenocarcinoma: a case report and review of the literature, e25 (Fe)
 Barlogie B see Herrera GA
 Barnes CE see Bardin RL
 Barnes L see Agaram NP
 Barroeta JE, Stopyra CA: 47,XXY with associated bilateral renal agenesis, e44 (Mr)
 Barroeta JE see Mora JJ
 Basrawala Z see Quinn AM
 Bayer-Garner IB, Nickell JA, Korourian S: Routine syndecan-1 immunohistochemistry AIDS in the diagnosis of chronic endometritis, 1000 (Se)
 Bayer-Garner IB, Prieto VG, Smoller BR: Detection of clonality with κ and λ immunohistochemical analysis in cutaneous plasmacytomas, 645 (Je)
 Beatty BG see Oberschmid BI
 Beckwith B, Schwartz R, Pantanowitz L: Analysis of on-

- line clinical laboratory manuals and practical recommendations, 476 (Ap)
 Beckwith BA see Pantanowitz L
 Bedolla G, Stanek J: Intrauterine hematogenous herpesic infection, 1189 (Oc)
 Bejarano PA see Garcia M
 Bellezza G, Giansanti M, Cavaliere A, Sidoni A: Pigmented "black" pheochromocytoma of the adrenal gland: a case report and review of the literature, e125 (Oc)
 Benardete E see Song K
 Benevenia J see Baisre A
 Berenzowski K see Moid F
 Berman JJ: Pathology abbreviated: a long review of short terms, 347 (Mr)
 Berman JJ: Zero-Check: a zero-knowledge protocol for reconciling patient identities across institutions, 344 (Mr)
 Berman JJ: Zero-Check: a zero-knowledge protocol for reconciling patient identities across institutions [reply], 954 (Se)
 Berns SM, Wiacek M, Pearl GS: Pathologic quiz case: back pain in a 48-year-old woman: myxopapillary ependymoma, 811 (Jy)
 Bernstein DA see Mora JJ
 Bertoni F, Arias LF, Alberghini M, Bacchini P: Fibrous dysplasia with degenerative atypia: a benign lesion potentially mistaken for sarcoma, 794 (Jy)
 Bertoni F see Taylor S
 Beza A see Anwar S
 Bhargava A see Yang X
 Bhatia A see Malhotra P
 Bhattacharya B, Cochran E, Loew J: Pathologic quiz case: a 27-week female fetus with massive macrocephaly and generalized anasarca: congenital immature intracranial teratoma with skull rupture and high output cardiac failure, 102 (Ja)
 Bhuta S see Ko CJ
 Bia FJ see Mariappan MR
 Biddle DA see Ribalta T
 Binder SW see Ko CJ
 Bing Z, Levine L, Lucchi JA, Hatch SS, Eltorok MA: Primary small cell neuroendocrine carcinoma of the vagina: a clinicopathologic study, 857 (Au)
 Birdsong GG see Renshaw AA (2 entries)
 Bitton A, Etzell J, Grenett JE, Wang E: Erythrophagocytosis in Gaucher cells, 1191 (Oc)
 Black JO, White J, Abramowsky C, Shehata B: Pathologic quiz case: edema and diarrhea in a 2-year-old boy: Meckel disease with cytomegalovirus gastritis, e117 (Se)
 Blacksin M see Baisre A
 Blaney S, Fung C, Garcia C: Pathologic quiz case: multiple liver and lung nodules: epithelioid hemangioendothelioma of the liver, e183 (De)
 Blaszyk H see Oberschmid BI
 Blute ML see Dimaschek HH
 Boag AH see Wang BY
 Bock JL, Klee GG: How sensitive is a prostate-specific antigen measurement?: how sensitive does it need to be? 341 (Mr)
 Bocklage T see Rund CR
 Boix E see Niveiro M
 Booth CN: Diagnostic Cytopathology (Book Review) 715 (Je)
 Bourne PA see Li R; Yao JL
 Bouteille F see Desjardins L
 Bove KE: The challenge of using autopsy information for quality improvement, 11 (Ja)
 Bove KE: The challenge of using autopsy information for quality improvement [reply], 851 (Au)
 Boyanton BL Jr, Shinault SS: Pathologic quiz case: a 27-year-old man with abdominal pain: Peutz-Jeghers syndrome, 483 (Ap)
 Boyer PJ see Le BH
 Brandwein-Gensler M see Li J
 Brandwein-Gensler MS, Wang BY, Urken ML: Spindle cell

transformation of papillary carcinoma: an aggressive entity distinct from anaplastic thyroid carcinoma, 87 (Ja)

Braylan RC see Al-Quran SZ

Brien WE, Crawford L, Raby A, Richardson H: In-house calibration of the international sensitivity index or calibration curve for determination of the international normalized ratio, 308 (Mr)

Brogdon BG see Mancini EA

Brooks JS see Giorgadze TA

Bruder E see Terracciano LM

Bruner JM see Ribalta T

Bruniau A see Chatelain D

Bubendorf L see Lugli A

Buccoliero AM, Bacci S, Mennonna P, Taddei GL: Pathologic quiz case: infratentorial tumor in a middle-aged woman: oncotic variant of choroid plexus papilloma, 1448 (De)

Buccoliero AM, Caldarella A, Gallina P, Di Lorenzo N, Taddei A, Taddei GL: Choroid glioma: clinicopathologic profile and differential diagnosis of an uncommon tumor, e141 (No)

Buchner DS see Laposata ME

Buckley PJ see Safley AM

Buetsen OW see Fleury AM

Bu-Ghanim M, Sansariq C, Gordon R, Morotti RA: Pathologic quiz case: hepatosplenomegaly in an infant with hypotonia and coarse facial features: gangliosidosis type I, 1297 (No)

Buitrago E see Garcia M

Bukaveckas BL: Adding pharmacogenetics to the clinical laboratory: narrow therapeutic index medications as a place to start, 1330 (De)

Burchette JL see Butnor KJ

Burgart LJ see Kakar S

Burns KH, Werch JB: Bacterial contamination of platelet units: a case report and literature survey with review of upcoming American Association of Blood Banks requirements, 279 (Mr)

Butany J see Mazzulli T

Butnor KJ, Burchette JL, Sporn TA, Hammar SP, Roggli VL: The spectrum of Kit (CD117) immunoreactivity in lung and pleural tumors: a study of 96 cases using a single-source antibody with a review of the literature, 538 (My)

Büyükdavrim AS see Duman BS

Buziba N see Fujita S

C

Cabello-Inchausti B see Yu QQ

Çağatay P see Duman BS

Çaglar D see Angeles RM

Cagle PT see Allen TC; Cai Y-C

Cai Y-C, Roggli V, Mark E, Cagle PT, Fraire AE: Transforming growth factor α and epidermal growth factor receptor in reactive and malignant mesothelial proliferations, 68 (Ja)

Caldarella A see Buccoliero AM

Caldito G see Matthews-Greer J

Calilao G see Jani JC

Campassi C see Fleury AM

Campbell SC see Lindgren V; Quinn AM

Cao D see Parwani AV

Cao JD see Rowsell EH

Cao Y, Paner GE, Kahn LB, Rajan PB: Noninvasive carcinoma of the breast: angiogenesis and cell proliferation, 893 (Au)

Capron F see Chedid A

Carder KA see Voorhees PM

Carey RB see Rubinas TC

Carlson JR, Li L, Helton CL, Munn RJ, Wasson K, Perez RV, Gally BJ, Finkbeiner WE: Disseminated microsporidiosis in a pancreas/kidney transplant recipient, e41 (Mr)

Carter E see Humble S

Carter G see Ionescu DN

Carter JE see Evans TN

Casey MB see Dimashkieh HH

Casillas J see Garcia M

Castri F see Ricci R

Cattaneo L see Colombo P

Cavaliere A see Bellezza G

Cavazza A see Piana S

Caya JG, Agni R, Miller JE: *Clostridium botulinum* and the clinical laboratory: a detailed review of botulism, including biological warfare ramifications of botulinum toxin, 653 (Je)

Ceballos KM, Francis J-A, Mazurka JL: Gastrointestinal stromal tumor presenting as a recurrent vaginal mass, 1442 (De)

Centeno BA see Pirog EC

Champine JG see Jaiswal VR

Chan GS, Lam M, Au WY, Chan K: Pathologic quiz case:

renal impairment after bone marrow transplantation: bone marrow transplant nephropathy, 233 (Fe)

Chan K see Chan GS

Chan KP see Chong PY

Chan M see Guo T

Chan NHL see Tan K-B

Chan NHL see Thamboo TP

Chan WC, Fu K: Molecular diagnostics on lymphoid malignancies, 1379 (De)

Chandan VS, Abraham NZ Jr: Pathologic quiz case: a 49-year-old man with left parotid mass: adenocarcinoma, not otherwise specified, 487 (Ap)

Chandan VS, Wang W: Pancreatic heterotopia in the gastric antrum, 111 (Ja)

Chandan VS, Wang W, Landas SK: Gastric lipid islands, 937 (Au)

Chang C-C see Jhang JS; Susnik B

Chang HT see Jung S

Chang SAE see Tan K-B

Chanona-Vilchis J see Matthews-Greer J

Chapman J see Chu W

Chase DR see Syed SP

Chatelain D, Devendeville A, Rudelli A, Bruniau A, Geslin G, Sevestre H: Gastric myeloid metaplasia: a case report and review of the literature, 568 (My)

Chauhan SS, Krishnan J, Heffner DK: Solitary fibrous tumor of nasal cavity in patient with long-standing history of cocaine inhalation, e1 (Ja)

Chediak J see Baila H

Chedid A, Arain S, Snyder A, Mathurin P, Capron E, Naveau S: The immunology of fibrogenesis in alcoholic liver disease, 1230 (No)

Chejfec G see Jani JC

Chejfec G: Diagnostic Soft Tissue Pathology (Book Review) 367 (Mr)

Chejfec G: Endocrine Pathology: Differential Diagnosis and Molecular Advances (Book Review) 495 (Ap)

Chejfec G: Financial conflict of interest? [reply] 1328 (De)

Chejfec G, Zarbo RJ: Kenneth Donald McClatchey, DDS, MD, 272 (Mr)

Chen E, Frankel WL, Wen P: Pathologic quiz case: a multicystic mass of the pancreatic body in a 70-year-old man: serous microcystic adenoma of the pancreas, e83 (Je)

Chen L, Li Y, Gebre W, Lin JH: Myocardial and cerebral infarction due to nonbacterial thrombotic endocarditis as an initial presentation of pancreatic adenocarcinoma, 1307 (No)

Chen L, Lin JH: Pathologic quiz case: supraclavicular subcutaneous nodule in a 24-year-old woman: myxoid pleomorphic fibrohistiocytic tumor without multinucleated giant cells, 931 (Au)

Chen L, Shih HJ, Segueria E Jr, Lin JH: Pathologic quiz case: a 39-year-old man with diffuse pleural thickening and massive hemothorax: epithelioid angiosarcoma of pleura, 1299 (No)

Chen L, Thompson K, Taxy JB: Pathologic quiz case: a 56-year-old woman with anterior nasal pain and intermittent epistaxis: *Alleraria alternata* infection of the nasal sinus, 1451 (De)

Chen X see Chung SM; Harigopal M

Cheng L, MacLennan GT, Pan C-X, Jones TD, Moore CR, Zhang S, Gu J, Patel NB, Kao C, Gardner TA: Allelic loss of the active X chromosome during bladder carcinogenesis, 187 (Fe)

Chevez-Barrios P see Allen TC

Chin GY see Kumarasinghe SPW

Ching B, Klink A, Wang L: Pathologic quiz case: a 22-year-old woman with a large right adnexal mass: poorly differentiated Sertoli-Leydig cell tumor of the right ovary with retiform differentiation and heterologous elements (mucinous components), e93 (Jy)

Chitambar C see Susnik B

Chitapanarux T see Yousukh A

Cho E-S see Yang XY

Choi G see Song DE

Chong PY, Chui P, Ling AE, Franks TJ, Tai DYH, Leo YS, Kaw GJL, Wansaicheong G, Chan KP, Oon LLE, Teo ES, Tan KB, Nakajima N, Sata T, Travis WD: Analysis of deaths during the severe acute respiratory syndrome (SARS) epidemic in Singapore: challenges in determining a SARS diagnosis, 195 (Fe)

Choon A, Roepke JE: Importance of immunohistochemical staining in metastatic anaplastic oligodendroglioma, 489 (Ap)

Chopra KB see Sass DA

Chu W, Chapman J, Persons DL, Fan F: Twin pregnancy with partial hydatidiform mole and coexistent fetus, 1305 (No)

Chu WCW see Lui PCW

Chuang AT-Y see Kapur P

Chuang S-S see Huang C-T

Chucker F see Ewing CA

Chui P see Chong PY

Chung SM, Shin SJ, Chen X, Rosen PP: Recurrent breast

carcinoma arising in a transverse rectus abdominis myocutaneous flap, 1157 (Oc)

Chute DJ see Fu C

Ciancia G see Insabato L

Cigarroa J see Stauffenberg MT

Cisler JJ see Weinrach DM

Clark EB see Newton D

Clark JJ see Lindgren V

Clark SH see Siami K

Cobb CJ see Renshaw AA (2 entries)

Cochran E see Bhattacharya B

Coelho KIR see Corpa MVN

Coffin CM see Newton D

Cohen AT see Desjardins L

Cohen PD see Wang HL

Cohen S see Mathews K

Colgan TJ see Davey DD; Renshaw AA

College of American Pathologists Cytopathology Resource Committee see Renshaw AA

College of American Pathologists Gynecologic Cytology Committee see Renshaw AA

Collins BM see Agaram NP

Colombo P, Cattaneo L: Axillary intranodal cysts associated with breast malignancy, 361 (Mr)

Combe S see Desjardins L

Cook A see Somers GR

Cooper K see Pritt B

Corpa MVN, Bacchi MM, Bacchi CE, Coelho KIR: Peliosis hepatis associated with lymphoplasmacytic lymphoma: an autopsy case report, 1283 (No)

Coupland R see Hsi ED

Cowan DF see Li T-J

Crawford JM see Jani D

Crawford L see Brien WF

Creager AJ see Safley AM

Crisan D see Adcock DM

Crookston KP see Pourbakhsh S

Crowson AN see Iwenofu OH; Siami K

Cseri J see Kakaiya R

Culbertson DE see Mancini EA

Cunningham JL see Fu C

Cunningham MT see Imkie M

Cunningham PR see Laios E

Cytopathology Resource Committee, College of American Pathologists see Renshaw AA

Czader M see O'Malley DP

D

Dabbs DJ see Ionescu DN; Mohan D

Dacic S, Sasatomi E, Swalsky PA, Kim DW, Finkelstein SD, Yousem SA: Loss of heterozygosity patterns of sclerosing hemangioma of the lung and bronchioloalveolar carcinoma indicate a similar molecular pathogenesis, 880 (Au)

Dager WH see Gosselin RC

Dahl E see Oberschmidt BI

Dak E see Duman BS

Dale JC see Novis DA (2 entries)

Daly TM see Hilliard NJ

Damron TA see Yang YJ

Daneshbod Y: A flower-like parasite with bladed petals, 939 (Au)

Daneshbod Y see Kumar PV

Das K see Yang XY

Dash RC see Safley AM

Davey DD, Neal MH, Wilbur DC, Colgan TJ, Styer PE, Mody DR: Bethesda 2001 implementation and reporting rates: 2003 practices of participants in the College of American Pathologists Interlaboratory Comparison Program in Cervicovaginal Cytology, 1224 (No)

Davey DD, Roach N: Delivering human papillomavirus testing to the public [reply] 10 (Ja)

Davey DD see Renshaw AA (2 entries)

Davis MK see Imkie M

D'Cruz CA see Godra A

de Chadarevian J-P see Katsetos CD

de la Roza G see Mukhopadhyay S

DeLong W see Khurana JS

Del Valle see Eram S

Dennstedt FE: Delivering human papillomavirus testing to the public [letter] 10 (Ja)

Desjardins L, Bara L, Boutitie E, Samama MM, Cohen AT, Combe S, Janbon C, Leizorovicz A, Olsson C-G, Turpie AGG: Correlation of plasma coagulation parameters with thromboprophylaxis, patient characteristics, and outcome in the MEDENOX study, 519 (My)

Devaraj S see Stauffenberg MT

Devendeville A see Chatelain D

Diaz LK see Weinrach DM

Diaz-Rubio JL, Duarte-Rojo A, Saqui-Salces M, Gamboa-Dominguez A, Robles-Diaz G: Cellular proliferative fraction measured with topoisomerase II α predicts malignancy in endocrine pancreatic tumors, 426 (Ap)

Dickey PS see Baehring JM
 Dietmaier W see Oberschmid BI
 Dighe AS see Laposata ME
 Di Lorenzo N see Buccoliero AM
 Dimashkieh HH, Khazai L, Novak GD, Casey MB: Pathologic quiz case: a 56-year-old man with bilateral renal masses: bilateral renal oncocytosis, e177 (De)
 Dimashkieh HH, Khazai L, Novak GD, Casey MB: Pathologic quiz case: an 83-year-old woman with a uterine cervical mass: adenoid cystic carcinoma, 817 (Jy)
 di Sant'Agnes PA see Li R; Yao JL
 Dittus C see Henson DE
 Di Vizio D see Insabato L
 Dodd LG see Safley AM; Volmar KE
 Dodson RE, O'Sullivan M, Hammar SP: Quality control analysis of the potential for asbestos contamination during tissue processing in pathology laboratories, 781 (Jy)
 Dominguez-Malagon H see Matthews-Greer J
 Donnelly WH see Grier DD
 Doumas BT see Lo SF
 Duarte-Rojo A see Diaz-Rubio JL
 Dubinsky K see Shastri S
 Dubray-Benstein B see Renshaw AA (2 entries)
 Duman BS, Türkoglu C, Akpınar B, Güden M, Vertii A, Dak E, Çağatay P, Günay D, Büyükdavrim AS: Lipoprotein lipase gene polymorphism and lipid profile in coronary artery disease, 869 (Au)
 Dunphy CH: Applications of flow cytometry and immunohistochemistry to diagnostic hematopathology, 1004 (Se)
 Dunphy CH see Voorhes PM
 Dvorak AM see Kuten A
 Dzaman J see Godyn JJ

E

Elin RJ, Winter WE: Laboratory and clinical aspects of B-type natriuretic peptides, 697 (Je)
 Elin RJ see Seldin SJ
 Elyorka MA see Bing Z
 Emerson J, Kost G: Spurious hypocalcemia after Omniscan- or OptiMARK-enhanced magnetic resonance imaging: an algorithm for minimizing a false-positive laboratory value, 1151 (Oc)
 Enam S, Sweet TM, Amini S, Khalili K, Del Valle L: Evidence for involvement of transforming growth factor β 1 signaling pathway in activation of JC virus in human immunodeficiency virus 1-associated progressive multifocal leukoencephalopathy, 282 (Mr)
 Epstein JI see Parwani AV (3 entries)
 Erbersdobler A, Petri S, Lock G: Russell body gastritis: an unusual, tumor-like lesion of the gastric mucosa, 915 (Au)
 Erickson JA, Ashwood ER, Gin CA: Evaluation of a dimeric inhibin-A assay for assessing fetal Down syndrome: establishment, comparison, and monitoring of median concentrations for normal pregnancies, 415 (Ap)
 Erozan YS see Parwani AV
 Erroll M see Ping EC
 Etzell J see Bitton A
 Evans AJ see Aljerian K
 Evans TN, Carter JE: Pathologic quiz case: testicular pain and scrotal swelling in a 25-year-old man: large cell calicifying Sertoli cell tumor of the testis, e137 (Oc)
 Ewing CA, Kalan M, Chucker F, Ozdemirli M: Melanosis coli involving pericolic lymph nodes associated with the herbal laxative Swiss Kriss: a rare and incidental finding in a patient with colonic adenocarcinoma, 565 (My)
 Ezidiegwu CN, Lauenstein KJ, Rosales LG, Kelly KC, Henry JB: Febrile nonhemolytic transfusion reactions: management by premedication and cost implications in adult patients, 991 (Se)

F

Fadare O: Pathologic quiz case: incidental ovarian lesions in a 48-year-old woman with Peutz-Jeghers syndrome: ovarian serous cord tumor with annular tubules, 353 (Mr)
 Fadare O, Hileeto D, Grudinn YL, Mariappan MR: Sclerosing mucocystic carcinoma of the parotid gland, 1046 (Se)
 Fadare O, Hileeto D, Mariappan MR: Pathologic quiz case: multiple splenic lesions in a bacteremic patient: littoral cell angiosarcoma of the spleen, 1183 (Oc)
 Fadare O, Wang S, Mariappan MR: Pathologic quiz case: a 69-year-old asymptomatic man with a scrotal mass: atypical (sympatric or bizarre) leiomyoma of the scrotum, e37 (Fe)
 Fadare O, Wang S, Mariappan MR: Practice patterns of clinicians following isolated diagnoses of atypical small acinar proliferation on prostate biopsy specimens, 557 (My)
 Fadare O see Mariappan MR (3 entries); Wang S

Falciaglia M see Saad A
 Fan F see Chu W
 Farag ES see Fu C
 Feldman MD see Khurana JS
 Feng N see Hao Y
 Ferry JA see Tang Z
 Fine SW, Whitney KD: Multiple cavernous hemangiomas of the lung: a case report and review of the literature, 1439 (De)
 Fink DJ see Jhang JS
 Finkbeiner WE see Carlson JR
 Finkelstein S see Agaram NP
 Finkelstein SD see Dacic S; Hunt JL; Mohan D; Sass DA
 Fischer EG: Nonproliferative fibrocystic changes and the Easter bunny, 1054 (Se)
 Fischer EG see Rund CR
 Fishbein MC see Sarantopoulos GP
 Fisher HAG see Kaur P
 Flanagan RC see Lindgren V; Rubinas TC
 Fleury AM, Bueters OW, Campassi C, Argani P: Pathologic quiz case: a 77-year-old woman with bilateral breast masses: amyloidosis involving the breast, e67 (Ap)
 Fligner CL see Allison KH
 Flood JC see Melanson SF
 Floyd FD see Mukhopadhyay S
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G

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 L
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 Lytwyn A see Howard M
 M
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 Martinez AJ see Mohan D
 Martinez S see Volmar KE
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 Mathurin P see Chedid A
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 Mazurek SI see Titov AG (2 entries)
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 Memoli VA see Loeffler AG
 Mennonna P see Buccoliero AM
 Mian B see Anwar S
 Milano MA see Rawal A
 Mileusnic D see Ushchuplich V
 Miller C see Lyon E
 Miller JE see Caya JG
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 Miller TR see Moriarty AT
 Mirza I see Hsi ED
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Mount DW see Klein RR III

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Munn RJ see Carlson JR

Murakami MM see Apple FS

Murazio M see Ricci R

N

Nagle RB see Klein RR III

Nakajima N see Chong PY

Nardi M see Joutovsky A

Naritoku W see Horowitz RE

Nasim M see Song K

Nasr A see Somers GR

Nassar A see Adem K

Navarro V see Jain D

Naveau S see Chedid A

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Neto AG see Ribalta T

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Nguyen H see Henson DE

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Novak GD see Dimashkikh HH

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Nsouli IS see Mukhopadhyay S

O

Oberholzer M see Lugli A

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Ocal IT see Mariappan MR

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Olsson C-G see Desjardins L

Olumi A see Kuten A

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Omeroglu A see Aydin H

Omeroglu G see Aydin H

Omraní A see Laird LA

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Oon LLE see Chong PY

Orazi A see O'Malley DP

Ormsby A see Salama ME

O'Sullivan M see Dodson RF

Owings JT see Gosselin RC

Oxley DK: William Joseph Reals, MD, FCAP, 506 (My)

Ozdemirli M see Ewing CA

P

Pacelli F see Ricci R

Pai RK, Irvine R: Pathologic quiz case: giant mediastinal mass in a 69-year-old man: thymolipoma, e159 (No)

Pamarathy D see Laios E

Pan C-X see Cheng L

Paner GP see Cao Y; Lindgren V

Pang L-M see Lui PCW

Pantanowitz L, Miller KB, Ford JC, Beckwith BA: The scratch test, 598 (My)

Pantanowitz L see Beckwith B

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Papas P, Al-Abbadi MA: Pathologic quiz case: a 32-year-old Western-Indian woman with a history of chronic abdominal pain and a cystic mass of pancreas: mucinous cystic neoplasm, adenoma type, e54 (Mr)

Parekh H see Khurana JS

Parizhskaya M see Nodit L

Park HS see Kim HK

Park JK see Song DE

Park K see Harigopal M

Parks WT see Allison KH

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Parwani AV, Rosenthal DL, Epstein JI, Ali SZ: Pathologic quiz case: a 3-year-old girl with dysuria and urinary incontinence: primary embryonal rhabdomyosarcoma of the urinary bladder, 357 (Mr)

Patel NB see Cheng L

Pathan MH see Kaleem Z

Paventy S see Mariappan MR

Payá A see Niveiro M

Pearl GS see Berns SM; Green VS; Gupta MV; Stephany JD

Peiró G see Niveiro M

Q

Qiu J see Grier DD

Querry AT Jr see Lin F

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Quinones G see Liu D

Quist HE see Apple FS

R

Raab SS see Grzybicki DM

Rabinovitch A: Financial conflict of interest? [letter] 1328 (De)

Raby A see Brien WF

Raghavan R, Snyder WH, Sharma S: Pathologic quiz case: tumor in pigmented thyroid gland in a young man: papillary thyroid carcinoma in a minocycline-induced, diffusely pigmented thyroid gland, 355 (Mr)

Ragnauth S see Yang X

Rainey PM see Roberts WL

Rajan PB see Cao Y

Rajendiran S see Ray S

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Rakheja D see Wooten DC

Rand K see Grier DD

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Rao KW see Voorhes PM

Rao MS see Weinrach DM

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Redlich PN see Susnik B

Regadera J see Nistal M

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Reilly TL see Grzybicki DM

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- Rezk S, Yousef M, Zamansky M, Khan A:** Solitary fibrous tumor of the auditory canal, e169 (De)
- Ribalta T, McCutcheon IE, Neto AG, Gupta D, Kumar AJ, Biddle DA, Langford LA, Bruner JM, Leeds NE, Fuller GN:** Textiloma (gossypiboma) mimicking recurrent intracranial tumor, 749 (Jy)
- Ribeiro-Silva A, Ximenes L:** Pathologic quiz case: a 60-year-old woman with diffuse uterine enlargement: primary osteosarcoma of the uterus, e172 (De)
- Ricci R, Maggiani N, Castri E, Rinelli A, Murazio M, Paccelli F, Potenza AE, Vecchio FM, Larocca LM:** Role of PTEN in gastrointestinal stromal tumor progression, 421 (Ap)
- Rice I:** see Kurbegov D
- Richardson H:** see Brien WF
- Rimmer J:** see Jacobson E
- Rinelli A:** see Ricci R
- Rivera-Hueto E, Lag-Asturiano E, Utrilla-Alcolea JC, Herreiras-Gutiérrez JM:** Advanced gastric carcinoma with a complete intestinal metaplasia phenotype associated with early intestinal-type carcinoma, 218 (Fe)
- Ro JY:** see Song DE (2 entries)
- Roach N:** see Davey DD
- Robert ME:** see Gustavo L-C; Jain D
- Roberts WL, Rainey PM:** Phenytoin overview—metabolite interference in some immunoassays could be clinically important [letter] 734 (Jy)
- Robinson CA:** see Hilliard NJ
- Robinson MJ:** see Martinez AE; Yu QQ
- Robles-Diaz G:** see Diaz-Rubio JL
- Roepke JE:** see Choon A
- Rogers CG, Pinto PA, Weir EG:** Extrasseous (extramedullary) plasmacytoma of the adrenal gland, e86 (Jy)
- Roggli V:** see Cai Y-C
- Roggli VL:** see Butnor KJ
- Romaguera RL:** see Garcia M
- Rosales LG:** see Ezdiegwu CN
- Rosen PP:** see Chung SM; Harigopal M
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- Roth P:** see Howard M
- Rowe JJ:** see Susnik B
- Rossell EH, Zekry N, Liwnicz BH, Cao JD, Huang Q, Wang J:** Primary anaplastic lymphoma kinase-negative anaplastic large cell lymphoma of the brain in a patient with acquired immunodeficiency syndrome, 324 (Mr)
- Roy S:** see Giorgadze TA
- Ru K, Srivastava A, Tischler AS:** Bronchial epithelial-myoepithelial carcinoma, 92 (Ja)
- Rubinas TC, Carey RB, Kampert MC, Alkan S, Lednicky JA:** Fatal hemorrhagic pneumonia concomitant with *Chlamydia pneumoniae* and parainfluenza virus 4 infection, 640 (Je)
- Rubinas TC, Flanigan RC, Picken MM:** Pathologic quiz case: renal mass in an otherwise healthy man: epithelioid angiomylipoma, e19 (Ja)
- Rubinas TC:** see Kakaiya R
- Rubio-Martínez LA:** see Vera-Román JM
- Rudelli A:** see Chatelain D
- Rund CR, Bocklage T:** Pathologic quiz case: lytic femoral lesion and renal cysts in a 66-year-old man: occult follicular carcinoma of the thyroid, 359 (Mr)
- Rund CR, Galyon SW, Fischer EG:** Pathologic quiz case: an anterior neck mass in a 5-month-old female infant: wattle (congenital cervical tragus), 1453 (De)
- Rund CR:** see Pourbabak S
- S
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- Sadeghipoor A:** see Kumar PV
- Safley AM, Buckley PJ, Creager AJ, Dash RC, Dodd LG, Goodman BK, Jones CK, Lagoo AS, Stenzel TJ, Wang W, Xie B, Gong JZ:** The value of fluorescence in situ hybridization and polymerase chain reaction in the diagnosis of B-cell non-Hodgkin lymphoma in fine-needle aspiration, 1395 (De)
- Salama ME, Azam M, Ma CK, Ormsby A, Zarbo RJ, Amin MB, Lee MW:** Chondroid syringoma: cytokeratin 20 immunolocalization of Merkel cells and reappraisal of apocrine folliculo-sebaceous differentiation, 986 (Se)
- Salama ME, Shah V, Lebel RR, VanDyke DL:** Aberrant nuclear projections of neutrophils in trisomy 13, 243 (Fe)
- Samama MM:** see Desjardins L
- Sanger WG:** see O'Malley DP
- Sansaricq C:** see Bu-Ghanim M
- Santavirta S:** see Titov AG (2 entries)
- Saqui-Salces M:** see Diaz-Rubio JL
- Saraiya AA:** see Laios E
- Sarantopoulos GP, Gui D, Shintaku P, Hong L, Wang Y-Y, Yap CS, Fishbein MC:** Immunohistochemical analysis of lung carcinomas with pure or partial bronchioloalveolar differentiation, 406 (Ap)
- Sarantopoulos GP:** see Ko CJ
- Sarna DP:** see Lorusso GD
- Sarode V:** see Kapur P
- Sarwar SF:** see Lorusso GD
- Sasatomi E:** see Dacic S
- Sass DA, Chopra KB, Finkelstein SD, Schauer PR:** Jejunal gastrointestinal stromal tumor: a cause of obscure gastrointestinal bleeding, 214 (Fe)
- Sasson A:** see Mathews K
- Sata T:** see Chong PY
- Sauntharajah Y:** see Jani JC
- Saw H-S:** see Lee K-J
- Sazama KJ:** see Tarrand J
- Schaefer RF:** see Sheikhholeslami M-R
- Schauer PR:** see Sass DA
- Schelpel RL:** see Jung S
- Scherbel U:** see Khurana JS
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- Schreiber WE:** see Klee GG
- Schuerch C:** see Lin F
- Schulte MA:** see Renshaw AA (2 entries)
- Schultz AM, Thomas AB, Henley JD, Badve S:** Pathologic quiz case: a 42-year-old man with right facial swelling and weakness: dedifferentiated acinic cell carcinoma of the parotid gland, e52 (Mr)
- Schwartz R:** see Beckwith B
- Seguerra E Jr:** see Chen L
- Sellers JW:** see Howard M
- Senba M:** see Fujita S; Youssukh A
- Serrano A:** see Nistal M
- Sevestre H:** see Chatelain D
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- Shah V:** see Salama ME
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- Sharma S:** see Jaiswal VR; Raghavan R
- Sharp G:** see Jacobson E
- Shastri S, Dubinsky MC, Poordad FF, Vasiliauskas EA, Geller SA:** Early nodular hyperplasia of the liver occurring with inflammatory bowel diseases in association with thioguanine therapy, 49 (Ja)
- Sheehan CE:** see Kaur P
- Shehata B:** see Black J
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- Shen R, Frankel WL, Wen P:** Coexistent hereditary hemochromatosis and α_1 -antitrypsin deficiency, 491 (Ap)
- Shen R, Wen P:** Clear cell renal cell carcinoma with syncytial giant cells: a case report and review of the literature, 1435 (De)
- Shen T:** see Khurana JS
- Sheriz W:** see Adeagbo BA
- Sheth D:** see Gupta C
- Sheth PD, Youngberg GA:** Pathologic quiz case: a 30-year-old man with a white plaque in the oral mucosa: smokeless tobacco keratosis, e17 (Ja)
- Shettler DL:** see Allen TC
- Shih HJ:** see Chen L; Xie L
- Shim SI:** see Lee A
- Shin SJ:** see Chung SM
- Shinault SS:** see Boyanton BL Jr
- Shintaku P:** see Sarantopoulos GP
- Shippey JE:** see Wade ZK
- Shrimpton AE:** see Mukhopadhyay S
- Shulman IA:** College of American Pathologists Laboratory Accreditation checklist item TRM.44955: phase I requirement on bacterial detection in platelets, 958 (Se)
- Shurafa MS:** see Wang D
- Siami K, Wilkerson M, Clark SH, Crowson AN:** Pathologic quiz case: an indurated plaque on the ankle of a 74-year-old woman: interstitial granulomatous drug reaction, e129 (Oc)
- Siddiqui NH:** see Gui X; Jani JC
- Sideris R:** see Godyn JJ
- Sidhu JS:** see Mukhopadhyay S
- Sidoni A:** see Bellezza G
- Siebert JR:** see White S
- Sienko A:** see Quinn AM
- Silberman S:** see Kakaiya R
- Singh M:** see Grupka NL
- Singh N:** see Malhotra P
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- Sivaraman P:** see Thamboo TP
- Slavinski SA:** see Fratkan JD
- Smith M:** see Lavis R
- Smith S:** see Kakaiya R
- Smith SV:** see Voorhees PM
- Smith WM, Lucas JC, Frankel WL:** Splenic rupture: a rare presentation of pancreatic carcinoma, 1146 (Oc)
- Smoak RL:** see Wade ZK
- Smoller BR:** see Bayer-Garner IB
- Snowder DP:** see Gupta C
- Snyder A:** see Chedid A
- Snyder WH:** see Raghavan R
- Soh VCH:** see Tan K-B
- Soldin SJ, Guo T, Wang E, Verjee Z, Elin RJ:** Phenytoin overview—metabolite interference in some immunoassays could be clinically important [reply] 734 (Jy)
- Soldin SJ:** see Guo T
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- Song DE, Choi G, Jun S-Y, Ro JY:** Primitive neuroectodermal tumor of the gallbladder, 571 (My)
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- Spanta R:** see Al-Abbadi MA
- Spencer A, Prayson RA:** Pathologic quiz case: a newborn with seizures: cortical dysplasia (malformation of cortical development), e91 (Jy)
- Sporn TA:** see Butnor KJ; Schneider E; Volmar KE
- Sporrer M:** see Tang P
- Srivastava A:** see Ru K
- Stanek J:** see Bedolla G
- Stanton CA:** see Bardin RL
- Stastny J:** see Moriarty AT
- Stauffenberg MT, Lange RA, Hillis LD, Cigarroa J, Hsu RM, Devaraj S, Fialal I:** Hyperhomocysteinemia measured by immunoassay: a valid measure of coronary artery atherosclerosis, 1263 (No)
- Staugaitis SM:** see Giampetro DM
- Stenzel TJ:** see Safley AM
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- Stephany JD, Green VS, Gonzalez OR:** Pathologic quiz case: an abdominopelvic mass in a 13-year-old adolescent girl: predominantly mature cystic teratoma with minimal immature neuroglia and gliomatous peritoneal, 705 (Je)
- Stephany JD, Pearl GS, Gonzalez OR:** Pathologic quiz case: headache in an 8-year-old child: primary amebic meningoencephalitis due to *Naegleria fowleri*, e33 (Fe)
- Stephany JD:** see Green VS
- Steward DL:** see Saad A
- Stokic DS:** see Fratkan JD

Stopyra GA see Barroeta JE
Strand VF see Wang D
Strom CM: Current challenges in cystic fibrosis screening [letter] 366 (Mr)
Styer PE see Davey DD; Kröll MH; Renshaw AA
Sun C-CJ see Munivenkatappa RB
Sung CJ see Gumurdula D
Sungur A see Önder S
Susnik B, Rowe JJ, Redlich PN, Chitambar C, Chang C-C, Kampalath B: A unique collision tumor in breast: invasive ductal carcinoma and mucosa-associated lymphoid tissue lymphoma, 99 (Ja)
Swalsky P see Agaram NP
Swalsky PA see Dacic S; Mohan D
Sweet TM see Enam S
Syed SP, Chase DR, Wang J: Pathologic quiz case: a 63-year-old renal transplant recipient with a sore throat: posttransplantation lymphoproliferative disorder, plasmacytoma type, with prominent Russell body formation, e76 (Je)

T

Tabaczka P see An T
Taddei A see Buccoliero AM
Taddei GL see Buccoliero AM (2 entries)
Tai DYH see Chong PY
Tallari G see Plymmer MR
Tan D see Khoury T
Tan KB see Chong PY
Tan K-B, Chang SAE, Soh VCH, Thamboo TP, Nilsson B, Chan NHL: Quality indices in a cervicovaginal cytology service: before and after laboratory accreditation, 303 (Mr)
Tang P, McKinley MJ, Sporrer M, Kahn E: Inlet patch: prevalence, histologic type, and association with esophagitis, Barrett esophagus, and antritis, 444 (Ap)
Tang Z, Jing W, Lindeman N, Harris NL, Ferry JA: One patient, two lymphomas: simultaneous primary gastric marginal zone lymphoma and primary duodenal follicular lymphoma, 1035 (Se)
Tariq A see Yu QQ
Tarrand J, Szazama KJ, Lichtiger B: Reagent strips may not detect *Staphylococcus epidermidis* contamination of platelet concentrates, 852 (Au)
Taxy JB see Chen L
Taylor GD see O'Hara CD
Taylor GP see Somers GR
Taylor S, Bacchini P, Bertoni F: An isolated vertebral metastasis of urachal adenocarcinoma, 1043 (Se)
Taylor W see Mukhopadhyay S
Teo ES see Chong PY
Terracciano L see Insabato L
Terracciano LM, Tornillo L, Avoledo P, von Schweinitz D, Kühne T, Bruder E: Fibrolamellar hepatocellular carcinoma occurring 5 years after hepatocellular adenoma in a 14-year-old girl: a case report with comparative genomic hybridization analysis, 222 (Fe)
Terracciano LM see Lugli A
Teruya J see Kurbegov D
Teshima I see Somers GR
Thamboo TP, Sivaraman P, Chan NHL: Pathologic quiz case: an unsuspected cause of nephrotic syndrome: heterozygous Fabry disease, 593 (My)
Thamboo TP see Tan K-B
Tholen DW: Evaluation of linearity in the clinical laboratory [letter] 1078 (Oc)
Thomas AB see Schultz AM
Thompson K see Chen L
Thongsawat S see Yousukh A
Timmons CF see Wooten DC
Tischler AS see Ru K
Titov AG, Vyshevska EB, Mazurenko SI, Santavirta S, Kontinen YT: Use of polymerase chain reaction to diagnose tuberculous arthritis from joint tissues and synovial fluid, 205 (Fe)
Titov AG, Vyshevska EB, Mazurenko SI, Santavirta S, Kontinen YT: Use of polymerase chain reaction to diagnose tuberculous arthritis from joint tissues and synovial fluid [reply] 1326 (De)
Tolozza EM see Volmar KE
Toriyama K see Fujita S; Yousukh A
Torkian B see Kanthan R
Tornillo L see Insabato L; Lugli A; Terracciano LM
Travis WD see Chong PY
Treat K see Kapur P
Trupiano JK see Bardin RL
Tse GMK see Lui PCW
Turbat-Herrera EA see Matthews-Greer J
Türkoglu C see Duman BS
Turpie AGG see Desjardins L
Tzeng J see Lee LY-J

U

Ullrich RC: Modern data security [letter] 1080 (Oc)
Unger J see Matthews-Greer J
Unger PD see Lee LY-J; Wang BY
Unger SW see Yu QQ
Urken ML see Brandwein-Gensler MS; Li J
Urschuplich V, Mileusnic D, Johnson M: Pathologic quiz case: progressive fatal encephalopathy in an immunosuppressed patient with a history of discoid lupus erythematosus: subacute granulomatous meningoencephalitis (*Acanthamoeba culbertsoni*), e109 (Se)
Utrilla-Alcolea JC see Rivera-Hueto F

V

Valenstein PN, Walsh MK, Meier F: Heparin monitoring and patient safety: a College of American Pathologists Q-Probes study of 3431 patients at 140 institutions, 397 (Ap)
Valente AL see Mukhopadhyay S
Van Cott EM see Laposata ME
VanDyke DL see Salama ME
Vasiliasukas EA see Shastri S
Vasquez DA see Kröll MH
Vecchio FM see Ricci R
Vera-Román JM, Rubio-Martinez LA: Comparative assays for the HER-2/neu oncogene status in breast cancer, 627 (Je)
Verjee Z see Soldin SJ
Vernon S see Garcia M
Vertii A see Duman BS
Vielemeyer O see Mariappan MR
Vinters HV see Fu C
Visvesvara GS see Jung S
Vnencak-Jones C see Juskevicius R
Volk EE see Moriarty AT; Renshaw AA
Volmar KE, Sporn TA, Tolozza EM, Martinez S, Dodd LG, Xie HB: Giant cell tumor of rib masquerading as thymoma: a diagnostic pitfall in needle core biopsy of the mediastinum, 452 (Ap)
Volmar KE see Schneider F
von Schweinitz D see Terracciano LM
Voorhes PM, Carder KA, Smith SV, Ayscye LH, Rao KW, Dunphy CH: Follicular lymphoma with a Burkitt translocation—predictor of an aggressive clinical course: a case report and review of the literature, 210 (Fe)
Vrbic CM see Grzybicki DM
Vyshevska EB see Titov AG (2 entries)

W

Waddington M see Laios E
Wade ZK, Shippey JE, Hamon GA, Smoak RL, Argani P, Allsbrook WC Jr: Collision metastasis of prostatic and colonic adenocarcinoma: report of 2 cases, 318 (Mr)
Wagar EA see Horowitz RE
Wagner LR: William B. Hamlin, MD, 1324 (De)
Wahner AE see Xu Y
Walsh AF see Stephany JD
Walsh MK see Novis DA (2 entries); Renshaw AA; Valenstein PN
Wang BY, Boag AH, Idrees M, Young ID, Unger PD: Urachal malignant fibrous histiocytoma: a case report and review of the literature, 456 (Ap)
Wang BY see Brandwein-Gensler MS; Li J
Wang D, Shurafa MS, Acharya R, Strand VE, Linden MD: Chronic abdominal pain caused by heterotopic ossification with functioning bone marrow: a case report and review of the literature, 321 (Mr)
Wang E see Bitton A
Wang E see Soldin SJ
Wang HL, Shah AG, Yerran LM, Cohen RD, Hart J: Collagenous gastritis: an unusual association with profound weight loss, 229 (Fe)
Wang H-Y: Pathologic quiz case: a 54-year-old deceased man with diffuse subcortical lesions of the central nervous system; progressive multifocal leukoencephalopathy, e70 (Ap)
Wang J see Hao Y
Wang J see Rowsell EH; Syed SP
Wang KL see Weinrach DM (3 entries)
Wang L see Ching B
Wang S, Fadare O: Pathologic quiz case: an 11-year-old boy with acute-onset right lower abdominal pain: typhilitis (neutropenic enterocolitis), 239 (Fe)
Wang S, Ho V: Corrections of clinical chemistry test results in a laboratory information system, 890 (Au)
Wang S see Fadare O (2 entries)
Wang W see Chandan VS (2 entries)
Wang W see Safley AM
Wang Y-Y see Sarantopoulos GP
Wansaicheong G see Chong PY

Washing D, Zaher A: Pathologic quiz case: a 76-year-old debilitated woman with a right thigh mass: ischemic fasciitis (atypical decubital fibroplasia), e139 (Oc)
Washing DJ see Wroblewski ME
Wasserman PG see Yang X
Wasson K see Carlson JR
Wazir JE, Ansari NA: *Pneumocystis carinii* infection: update and review, 1023 (Se)
Weinberg AG see Rakheja D
Weinrach DM, Wang KL, Cislis JJ, Diaz LK: Pathologic quiz case: a 54-year-old liver transplant recipient with diffuse thickening of the sigmoid colon: malakoplakia of the colon associated with liver transplant, e133 (Oc)
Weinrach DM, Wang KL, Keh P, Rao MS: Pathologic quiz case: a 40-year-old woman with a large pelvic mass, ascites, massive right hydrothorax, and elevated CA 125: uterine symplastic leiomyoma associated with pseudomyoma syndrome and elevated CA 125, 933 (Au)
Weinrach DM, Wang KL, Wiley EL, Laskin WB: Immunohistochemical expression of matrix metalloproteinases 1, 2, 9, and 14 in dermatofibrosarcoma protuberans and common fibrous histiocytoma (dermatofibroma), 1136 (Oc)
Weir EG see Rogers CG
Weisenberg E see Angeles RM; Baila H; Guzman G
Wen J see Li T-J
Wen P see Chen F; Lee L; Shen R (2 entries)
Werch JB see Burns KH
White G see Kaleem Z
White J see Black JO
White S, Siebert JR, Kapur RP: Pathologic quiz case: a 10-year-old boy with weakness, lethargy, and edema: arrhythmogenic right ventricular cardiomyopathy, cardiomyopathic pattern, 700 (Je)
Whitney KD see Fine SW
Wiacek M see Berns SM
Wilbur DC see Davey DD; Moriarty AT
Wiley EL see Weinrach DM
Wilkinson M see Siami K
Williams RP see Lovell MO
Winter WE see Elin RJ
Wolfe HJ see Khurana JS
Won JH see Kim HK
Wooten DC, Rakheja D, Timmons CF: *Helicobacter heilmannii* infection in a child, 1461 (De)
Wroblewski ME, Washing DJ, Zaher A: Pathologic quiz case: a 29-year-old man with a tongue lesion: granular cell tumor, 1059 (Se)
Wronski TJ: Iserson's Getting Into a Residency: A Guide for Medical Students (Book Review) 113 (Ja)
Wu HH-J see Ren R-L

X

Xiao S-Y see Li T-J
Xie B see Safley AM
Xie HB see Volmar KE
Xie L, Shih HJ, Freedman L: Aortic dissection, 599 (My)
Ximenes L see Ribeiro-Silva A
Xu Y, Wahner AE, Nguyen PL: Progression of chronic myeloid leukemia to blast crisis during treatment with imatinib mesylate, 980 (Se)

Y

Yachnis AT see Grier DD; Kleinschmidt-DeMasters BK
Yamaguchi A see Fujita S
Yang Q see Yao JL
Yang WI see Kim HK
Yang X, Wasserman PG, Bhargava A, Iqbal U, Ragnauth S, Fuchs A: Challenge in diagnosis of CD56⁺ lymphoproliferative disorders: two cases of CD56⁺CD33⁺ lymphoma/leukemia, e100 (Au)
Yang XY, Hameed M, Cho E-S, Das K: Pathologic quiz case: sacral/pelvic mass with lower back pain in a 36-year-old man: immature plasmacytoma, 237 (Fe)
Yang YJ, Damron TA: Comparison of needle core biopsy and fine-needle aspiration for diagnostic accuracy in musculoskeletal lesions, 759 (Jy)
Yao JL, Bourne PA, Yang Q, Lei J, di Sant'Agnes PA, Huang J: Overexpression of human carcinoma-associated antigen in urothelial carcinoma of the bladder, 785 (Jy)
Yao JL see Li R
Yap CS see Sarantopoulos GP
Yardley JH see Ji H
Yasuda Y see Zheng H-Y
Yerian LM see Wang HL
Yogo Y see Zheng H-Y
Yohannes P, Hunter W, Prasad M: Primary adenocarcinoma of cutaneous vesicostomy 40 years later: a rare case, e58 (Ap)

Younes M see Henson DE
 Young ID see Wang BY
 Young NA see Renshaw AA (2 entries)
 Young SM see Singh NV
 Youngberg GA see Sheth PD
 Yousef M see Rezk S
 Yousem SA see Dacic S
 Youssouf A, Jutavijittum P, Piselpongsa P, Chitapanarux T, Thongsawat S, Senba M, Toriyama K: Clinicopathologic study of hepatic *Penicillium marneffii* in northern Thailand, 191 (Fe)
 Yu QQ, Tariq A, Unger SW, Cabello-Inchausti B, Robinson MJ: Phlegmonous gastritis associated with Kaposi

sarcoma: a case report and review of the literature, 801 (Jy)
 Yu QQ see Kelemen K

Z

Zaher A see Washing D; Wroblewski ME
 Zamansky M see Rezk S
 Zarbo RJ see Chejfec G; Grzybicki DM; Salama ME
 Zekry N see Rowsell EH
 Zhang K see Lin F

Zhang PJ see Khurana JS
 Zhang S see Cheng L
 Zhang X, Kiechle FL: Cytosine arabinoside substitution decreases transcription factor-DNA binding element complex formation, 1364 (De)
 Zhang X see Kiechle FL
 Zhang Y see Lau SK
 Zhang Y-X see Li T-J
 Zheng H-Y, Yasuda Y, Kato S, Kitamura T, Yogo Y: Stability of JC virus coding sequences in a case of progressive multifocal leukoencephalopathy in which the viral control region was rearranged markedly, 275 (Mr)
 Zoccola DG see Plymmer MR

SUBJECT INDEX TO VOLUME 128

The following is a list of significant subjects presented in this volume. Book reviews are listed alphabetically by author under the heading "Book Reviews." Articles that appear only on the ARCHIVES Web site have a lowercase e preceding their page numbers. See the Table of Contents in any issue beginning in January 2004 for information on where to find the Web-only articles. The month is given as a 2-letter notation in parentheses. Journal section headings are shown in all capital letters.

A

Abbreviations

Pathology abbreviated: a long review of short terms [Berman] 347 (Mr)

Abdomen, Acute

Pathologic quiz case: an 11-year-old boy with acute-onset right lower abdominal pain: typhilitis (neutropenic enterocolitis) [Wang] 239 (Fe)
 Phlegmonous gastritis associated with Kaposi sarcoma: a case report and review of the literature [Yu] 801 (Jy)
 Small intestinal angiosarcoma leading to perforation and acute abdomen: a case report and review of the literature [Kelemen] 95 (Ja)
 Splenic pregnancy: a case report and review of the literature [Kalof] e146 (No)

Abdominal Neoplasms

Urachal malignant fibrous histiocytoma: a case report and review of the literature [Wang] 456 (Ap)

Abdominal Pain

Chronic abdominal pain caused by heterotopic ossification with functioning bone marrow: a case report and review of the literature [Wang] 321 (Mr)
 Cystic adrenal lymphangioma [Garcia] 713 (Je)
 Pathologic quiz case: a 32-year-old Western-Indian woman with a history of chronic abdominal pain and a cystic mass of pancreas: mucinous cystic neoplasm, adenoma type [Papad] e54 (Mr)
 Pathologic quiz case: a 27-year-old man with abdominal pain: Peutz-Jeghers syndrome [Boyanton] 483 (Ap)

Abscess

Diffuse giant inflammatory polyposis: a challenging clinicopathologic diagnosis [Sheikholeslami] 1286 (No)

Abstracts

Abstracts from the College of American Pathologists 2003 Annual Meeting (CAP '03), 139 (Fe)
 Advancing Practice, Instruction, and Innovation Through Informatics (APIII 2003): scientific session and e-poster abstracts, 1089 (Oc)

Acanthamoeba culbertsoni

Pathologic quiz case: progressive fatal encephalopathy in an immunosuppressed patient with a history of discoid lupus erythematosus: subacute granulomatous meningoencephalitis (*Acanthamoeba culbertsoni*) [Uschupich] e109 (Se)

Acantholysis

Epidemioid metaplasia of the cervix [Jonescu] 1052 (Se)

Acanthosis

Clear cell papulosis of the skin: a case report from Singapore [Kumarasinghe] e149 (No)

Accreditation

Quality indices in a cervicovaginal cytology service: before and after laboratory accreditation [Tan] 303 (Mr)

Acid-Base Equilibrium

Abstracts from the College of American Pathologists 2003 Annual Meeting (CAP '03), 139 (Fe)
 Pathologic quiz case: repeated positive ethylene glycol levels by gas chromatography: central venous line contamination of blood samples by propylene glycol from intravenous lorazepam injections [Hilliard] e79 (Je)

Acidosis

Abstracts from the College of American Pathologists 2003 Annual Meeting (CAP '03), 139 (Fe)

Acquired Immunodeficiency Syndrome

Pneumocystis carinii infection: update and review [Wazir] 1023 (Se)

Primary anaplastic lymphoma kinase-negative anaplastic large cell lymphoma of the brain in a patient with acquired immunodeficiency syndrome [Rowsell] 324 (Mr)

Actinomyces

Xanthogranulomatous funiculitis and orchipididymitis: report of 2 cases with immunohistochemical study and literature review [Nistal] 911 (Au)

Actins

The immunology of fibrogenesis in alcoholic liver disease [Chedid] 1230 (No)

On the origin of hepatic fibrosis [Guzman] 1212 (No)

Acute Coronary Syndrome see Coronary Disease

Add-On Testing see Laboratory Techniques and Procedures

Adenocarcinoma

Abstracts from the College of American Pathologists 2003 Annual Meeting (CAP '03), 139 (Fe)

Advanced gastric carcinoma with a complete intestinal metaplasia phenotype associated with early intestinal-type carcinoma [Rivera-Huet] 218 (Fe)

Clear cell ductal adenocarcinoma of pancreas: a case report and review of the literature [Ray] 693 (Je)

Collision metastasis of prostatic and colonic adenocarcinoma: report of 2 cases [Wade] 318 (Mr)

Detection of adenocarcinoma in situ of the cervix in Papanicolaou tests: comparison of diagnostic accuracy with other high-grade lesions [Renshaw] 153 (Fe)

Expression of cysteine protease protein 32 in prostatic adenocarcinoma correlates with tumor grade [Anwar] 649 (Je)

Fluids—good and bad actors: observations from the College of American Pathologists Interlaboratory Comparison Program in Nongynecologic Cytology [Moriarty] 513 (My)

Human papillomavirus typing of rare cervical carcinomas [Matthews-Greer] 553 (My)

An isolated vertebral metastasis of urachal adenocarcinoma [Taylor] 1043 (Se)

Low-grade neuroendocrine carcinoma (carcinoid tumor) of the prostate [Reyes] e166 (De)

Melanosis coli involving pericolic lymph nodes associated with the herbal laxative Swiss Kriss: a rare and incidental finding in a patient with colonic adenocarcinoma [Ewing] 565 (My)

Myocardial and cerebral infarction due to nonbacterial thrombotic endocarditis as an initial presentation of pancreatic adenocarcinoma [Chen] 1307 (No)

Pathologic quiz case: bladder tumor in a 41-year-old man: cystitis glandularis of intestinal type with mucin extravasation [Mukhopadhyay] e89 (Jy)

Pathologic quiz case: an 83-year-old woman with a uterine cervical mass: adenoid cystic carcinoma [Dimashkieh] 817 (Jy)

Pathologic quiz case: a 49-year-old man with left parotid mass: adenocarcinoma, not otherwise specified [Chandani] 487 (Ap)

Pathologic quiz case: an incidentally detected mass of the uterine cervix: mesonephric adenocarcinoma of the cervix [Angles] 1179 (Oc)

Primary adenocarcinoma of cutaneous vesicostomy 40 years later: a rare case [Yohannes] e58 (Ap)

Salivary adenocarcinoma, not otherwise specified: a collection of orphans [Li] 1385 (De)

The spectrum of Kit (CD117) immunoreactivity in lung and pleural tumors: a study of 96 cases using a single-source antibody with a review of the literature [Butnor] 538 (My)

Splenic rupture: a rare presentation of pancreatic carcinoma [Smith] 1146 (Oc)

Survivin and Bcl-2 expression in prostatic adenocarcinomas [Kaur] 39 (Ja)

Adenocarcinoma, Bronchiolo-Alveolar

Abstracts from the College of American Pathologists 2003 Annual Meeting (CAP '03), 139 (Fe)

Immunohistochemical analysis of lung carcinomas with pure or partial bronchioloalveolar differentiation [Santantopoulos] 406 (Ap)

Loss of heterozygosity patterns of sclerosing hemangioma of the lung and bronchioloalveolar carcinoma indicate a similar molecular pathogenesis [Dacic] 880 (Au)

Adenocarcinoma, Follicular

Pathologic quiz case: lytic femoral lesion and renal cysts in a 66-year-old man: occult follicular carcinoma of the thyroid [Rund] 359 (Mr)

Adenocarcinoma, Mucinous

Immunohistochemical analysis of lung carcinomas with pure or partial bronchioloalveolar differentiation [Santantopoulos] 406 (Ap)

Adenoma

Abstracts from the College of American Pathologists 2003 Annual Meeting (CAP '03), 139 (Fe)

Pathologic quiz case: a multicystic mass of the pancreatic body in a 70-year-old man: serous microcystic adenoma of the pancreas [Chen] e83 (Je)

Pathologic quiz case: right renal mass found incidentally in a 44-year-old woman: metanephric adenoma [Angles] 926 (Au)

Pathologic quiz case: a 32-year-old Western-Indian woman with a history of chronic abdominal pain and a cystic mass of pancreas: mucinous cystic neoplasm, adenoma type [Papad] e54 (Mr)

Adenoma, Adrenal Cortical

Pathologic quiz case: a 49-year-old woman with an adrenal mass: pancreatic tissue with nesidioblastosis, adrenocortical adenoma, and ovarian thecal metaplasia in the adrenal gland [Giordadze] 1294 (No)

Adenoma, Liver Cell

Fibrolamellar hepatocellular carcinoma occurring 5 years after hepatocellular adenoma in a 14-year-old girl: a case report with comparative genomic hybridization analysis [Terracciano] 222 (Fe)

Adenoma, Oxyphilic

Oncocytic transformation in pituitary adenomas: immunohistochemical analyses of 65 cases [Niveiro] 776 (Jy)

Pathologic quiz case: a 56-year-old man with bilateral renal masses: bilateral renal oncocytosis [Dimashkieh] e177 (De)

Pathologic quiz case: infratentorial tumor in a middle-aged woman: oncocytic variant of choroid plexus papilloma [Buccoliero] 1448 (De)

- Renal tumor with overlapping distal nephron morphology and karyotype [Lindgren] 1274 (No)
- Adenoma, Pleomorphic**
Chondroid syringoma: cytokeratin 20 immunolocalization of Merkel cells and reappraisal of apocrine folliculo-sebaceous differentiation [Salama] 986 (Se)
- Adenomyoepithelioma see Myoepithelioma**
- Adenomyosis see Endometriosis**
- Adenosarcoma**
Pathologic quiz case: a 34-year-old woman with abdominal pain and a large right multicystic ovarian mass: müllerian adenosarcoma arising in an endometriotic cyst [Al-Abbadi] 1057 (Se)
- Adenosine Deaminase**
Current applications of flow cytometry in the diagnosis of primary immunodeficiency diseases [Illloh] 23 (Ja)
- Adipocytes**
On the origin of hepatic fibrosis [Guzman] 1212 (No)
- Adnexa Uteri**
Pathologic quiz case: a 22-year-old woman with a large right adnexal mass: poorly differentiated Sertoli-Leydig cell tumor of the right ovary with retiform differentiation and heterologous elements (mucinous components) [Ching] e93 (Jy)
- Adnexal Diseases**
Pathologic quiz case: a right adnexal mass in a postmenopausal patient: malignant mixed müllerian tumor with heterologous elements arising in the fallopian tube [Humble] e161 (No)
- Pathologic quiz case: a 34-year-old woman with an inguinal mass: female adnexal tumor of probable wolffian origin [Halushka] 1301 (No)
- Adrenal Cortex Hormone**
Displaced bacterial colonies indicating *Strongyloides* larval migration on agar plates [Mariappan] 711 (Je)
- Adrenal Gland Neoplasms**
Cystic adrenal lymphangioma [Garcia] 713 (Je)
Extrasosseous (extramedullary) plasmacytoma of the adrenal gland [Rogers] e86 (Jy)
- Pathologic quiz case: a 49-year-old woman with an adrenal mass: pancreatic tissue with nesidioblastosis, adrenocortical adenoma, and ovarian thecal metaplasia in the adrenal gland [Giorgadze] 1294 (No)
- Pathologic quiz case: renal mass in a 3-week-old infant: congenital mesoblastic nephroma, mixed type [Munivenkatappa] 929 (Au)
- Pathologic quiz case: a woman with abdominal fullness: adrenal myelolipoma [Mathews] 703 (Je)
- Pigmented "black" pheochromocytoma of the adrenal gland: a case report and review of the literature [Bellezza] e125 (Oc)
- Adrenergic β -Antagonists**
Abstracts from the College of American Pathologists 2003 Annual Meeting (CAP '03), 139 (Fe)
- ADVANCES IN THE SCIENCE OF PATHOLOGY**
Combinatorial genetic technology for the development of new anti-infectives [Laios] 1351 (De)
Cytosine arabinoside substitution decreases transcription factor-DNA binding element complex formation [Zhang] 1364 (De)
Effect of polymorphisms in the cytochrome P450 CYP2C9 gene on warfarin anticoagulation [Adcock] 1360 (De)
Microdissection techniques for molecular testing in surgical pathology [Hunt] 1372 (De)
Molecular diagnostics on lymphoid malignancies [Chan] 1379 (De)
Severe acute respiratory syndrome: overview with an emphasis on the Toronto experience [Mazzulli] 1346 (De)
The -omics era and its impact [Kiechle] 1337 (De)
- Adverse Effects**
Adding pharmacogenetics to the clinical laboratory: narrow therapeutic index medications as a place to start [Bukaveckas] 1330 (De)
Amiodarone-induced thyrotoxicosis and thyroid cancer: clinical, immunohistochemical, and molecular genetic studies of a case and review of the literature [Saad] 807 (Jy)
Bacterial contamination of platelet units: a case report and literature survey with review of upcoming American Association of Blood Banks requirements [Burns] 279 (Mr)
Carcinosarcoma of the urinary bladder following cyclophosphamide therapy: evidence for monoclonal origin and chromosome 9p allelic loss [Mukhopadhyay] e8 (Ja)
A case of acute hemolysis after ceftriaxone: immune complex mechanism demonstrated by flow cytometry [Kakaiya] 905 (Au)
College of American Pathologists Laboratory Accreditation checklist item TRM.44955: phase I requirement on bacterial detection in platelets [Shulman] 958 (Se)
Early nodular hyperplasia of the liver occurring with inflammatory bowel diseases in association with thioguanine therapy [Shastri] 49 (Ja)
Flow cytometric evaluation of posttransplant B-cell lymphoproliferative disorders [Kaleem] 181 (Fe)
Heparin monitoring and patient safety: a College of American Pathologists Q-Probes study of 3431 patients at 140 institutions [Valenstein] 397 (Ap)
Iron medication-associated gastric mucosal injury [Jij] 821 (Jy)
Melanosis coli involving pericolic lymph nodes associated with the herbal laxative Swiss Kriss: a rare and incidental finding in a patient with colonic adenocarcinoma [Ewing] 565 (My)
Microdissection genotyping of mixed glial and primitive neuroectodermal central nervous system neoplasm [Mohan] 1161 (Oc)
Pathologic quiz case: a 54-year-old deceased man with diffuse subcortical lesions of the central nervous system: progressive multifocal leukoencephalopathy [Wang] e70 (Ap)
Pathologic quiz case: a 59-year-old man with a 2-week history of right iliac fossa pain: nonsteroidal anti-inflammatory drug-induced colonic ulcer [Lipper] e39 (Fe)
Pathologic quiz case: an indurated plaque on the ankle of a 74-year-old woman: interstitial granulomatous drug reaction [Siam] e129 (Oc)
Pathologic quiz case: renal impairment after bone marrow transplantation: bone marrow transplant nephropathy [Chan] 233 (Fe)
Pathologic quiz case: tumor in pigmented thyroid gland in a young man: papillary thyroid carcinoma in a minocycline-induced, diffusely pigmented thyroid gland [Raghavan] 355 (Mr)
- African Americans**
Abstracts from the College of American Pathologists 2003 Annual Meeting (CAP '03), 139 (Fe)
Differential trends in the intestinal and diffuse types of gastric carcinoma in the United States, 1973-2000: increase in the signet ring cell type [Henson] 765 (Jy)
- Agammaglobulinemia**
Current applications of flow cytometry in the diagnosis of primary immunodeficiency diseases [Illloh] 23 (Ja)
- Agar**
Displaced bacterial colonies indicating *Strongyloides* larval migration on agar plates [Mariappan] 711 (Je)
- Agency for Healthcare Research and Quality see US Agency for Healthcare Research and Quality**
- AIDS-Related Opportunistic Infections**
Pneumocystis carinii infection: update and review [Wazir] 1023 (Se)
- Albendazole**
A flower-like parasite with bladed petals [Daneshbod] 939 (Au)
- Alberta**
Epiglottic histoplasmosis presenting in a nonendemic region: a clinical mimic of laryngeal carcinoma [O'Hara] 574 (My)
- Alcohol Withdrawal Delirium**
Pathologic quiz case: repeated positive ethylene glycol levels by gas chromatography: central venous line contamination of blood samples by propylene glycol from intravenous lorazepam injections [Hilliard] e79 (Je)
- Alentuzumab**
Displaced bacterial colonies indicating *Strongyloides* larval migration on agar plates [Mariappan] 711 (Je)
- Algorithms**
Advancing Practice, Instruction, and Innovation Through Informatics (APIII 2003): scientific session and e-poster abstracts, 1089 (Oc)
Pathology abbreviated: a long review of short terms [Berman] 347 (Mr)
Spurious hypocalcemia after Omniscan- or OptiMARK-enhanced magnetic resonance imaging: an algorithm for minimizing a false-positive laboratory value [Emerson] 1151 (Oc)
- Allelic Loss see Loss of Heterozygosity**
- Allergens**
Diagnosing allergic diseases in children: practical recommendations for consulting pathologists [Homburger] 1028 (Se)
- Allergic Diseases see Hypersensitivity**
- Allograft see Transplantation, Homologous**
- Alternaria**
Pathologic quiz case: a 56-year-old woman with anterior nasal pain and intermittent epistaxis: *Alternaria alternata* infection of the nasal sinus [Chen] 1451 (De)
- Alzheimer Disease**
Comorbidity in dementia: an autopsy study [Fu] 32 (Ja)
- Amebiasis**
Pathologic quiz case: headache in an 8-year-old child: primary amebic meningoencephalitis due to *Naegleria fowleri* [Stephany] e33 (Fe)
- American Association of Blood Banks**
Bacterial contamination of platelet units: a case report and literature survey with review of upcoming American Association of Blood Banks requirements [Burns] 279 (Mr)
- Amino Acid Substitution**
Stability of JC virus coding sequences in a case of progressive multifocal leukoencephalopathy in which the viral control region was rearranged markedly [Zheng] 275 (Mr)
- Amino Acids**
Laboratory and clinical aspects of B-type natriuretic peptides [Elin] 697 (Je)
- Amiodarone**
Amiodarone-induced thyrotoxicosis and thyroid cancer: clinical, immunohistochemical, and molecular genetic studies of a case and review of the literature [Saad] 807 (Jy)
- Amoeba**
Pathologic quiz case: progressive fatal encephalopathy in an immunosuppressed patient with a history of discoid lupus erythematosus: subacute granulomatous meningoencephalitis (*Acanthamoeba culbertsoni*) [Uchuplich] e109 (Se)
- Ampulla of Vater**
Paneth cell carcinoma of the ampulla of Vater [Mora] 908 (Au)
- Amylases**
Determination of plasma glycoprotein 2 levels in patients with pancreatic disease [Hao] 668 (Je)
- Amyloidoma**
Soft tissue amyloidoma of the extremities: a case report and review of the literature [Bardin] 1270 (No)
- Amyloidosis**
Pathologic quiz case: a 77-year-old woman with bilateral breast masses: amyloidosis involving the breast [Fleury] e67 (Ap)
Renal pathologic spectrum in an autopsy series of patients with plasma cell dyscrasia [Herrera] 875 (Au)
Soft tissue amyloidoma of the extremities: a case report and review of the literature [Bardin] 1270 (No)
- Analgesics, Non-Narcotic**
Fibrinolytic nonhemolytic transfusion reactions: management by premedication and cost implications in adult patients [Ezidiogwu] 991 (Se)
- Analyzers see Diagnostic Equipment**
- Anaplasia**
Dedifferentiated liposarcoma with a paraganglioma-like histologic pattern: a case report and review of the literature [Liu] 788 (Jy)
- Anaplastic Large Cell Lymphoma see Lymphoma, Large-Cell**
- Anaplastic Lymphoma Kinase**
Intraocular inflammatory myofibroblastic tumor with ALK overexpression [O'Malley] e5 (Ja)
Pathologic quiz case: a 30-year-old man with lower abdominal and back pain: anaplastic large cell lymphoma (Ki-1 lymphoma) of the pancreas [Parwani] e179 (De)
Primary anaplastic lymphoma kinase-negative anaplastic large cell lymphoma of the brain in a patient with acquired immunodeficiency syndrome [Rowse] 324 (Mr)
- Anasarca see Edema**
- Androgens**
Immunohistochemical characterization of p57^h expression in tetraploid hydropic placentas [Fukunaga] 897 (Au)
- Androstenedione**
Steroid profiles using liquid chromatography-tandem mass spectrometry with atmospheric pressure photoionization source [Guo] 469 (Ap)
- Anemia**
Leishmania in the glomerulus [Kumar] 935 (Au)
Pathologic quiz case: progressive fatal encephalopathy in an immunosuppressed patient with a history of discoid lupus erythematosus: subacute granulomatous meningoencephalitis (*Acanthamoeba culbertsoni*) [Uchuplich] e109 (Se)
Pathologic quiz case: a 68-year-old man with thrombocytosis and ringed sideroblasts: essential thrombocythemia with ringed sideroblasts [Jan] 815 (Jy)
- Anemia, Iron Deficiency**
Iron medication-associated gastric mucosal injury [Jij] 821 (Jy)
- Anemia, Sickle Cell**
Perivascular fibrosis in the bone marrow in sickle cell disease [Mancini] 634 (Je)
Sinusoidal dilatation and congestion in liver biopsy: is it always due to venous outflow impairment? [Kakar] 901 (Au)
- Aneuploidy**
Leiphasic acute myeloid leukemia with near-tetraploidy and immunophenotypic transformation [Imkiele] 448 (Ap)

Aneurysm, Dissecting

Aortic dissection [Xie] 599 (My)

Angiogenesis see Neovascularization

Angioimmunoblastic T-Cell Lymphoma see Lymphoma, T-Cell

Angioleiomyoma

Intratesticular angioleiomyoma [Lavis] 1165 (Oc)

Angiolipoleiomyoma see Angiomyolipoma

Angioma see Hemangioma

Angiomatosis, Bacillary

Pathologic quiz case: a 17-year-old renal transplant patient with persistent fever, pancytopenia, and axillary lymphadenopathy: bacillary angiomatosis of the lymph node in the renal transplant recipient [Juskevicius] e12 (Ja)

Angiomyolipoma

Pathologic quiz case: a 40-year-old woman with an unusual uterine tumor: uterine angiolipoleiomyoma with focal atypical leiomyoma [Ren] e31 (Fe)

Pathologic quiz case: a 44-year-old woman with an incidental asymptomatic renal mass: atypical epithelioid angiolipoma [Algerian] 1176 (Oc)

Pathologic quiz case: renal mass in an otherwise healthy man: epithelioid angiolipoma [Rubinas] e19 (Ja)

Angiosarcoma see Hemangiosarcoma

Angiotensin-Converting Enzyme Inhibitors

Pathologic quiz case: an indurated plaque on the ankle of a 74-year-old woman: interstitial granulomatous drug reaction [Siam] e129 (Oc)

Anion Gap see Acid-Base Equilibrium

Ankle

Pathologic quiz case: an indurated plaque on the ankle of a 74-year-old woman: interstitial granulomatous drug reaction [Siam] e129 (Oc)

Anorexia

Pathologic quiz case: edema and diarrhea in a 2-year-old boy: Meckler disease with cytomegalovirus gastritis [Black] e117 (Se)

Anthracosis

Melanosis coli involving pericolic lymph nodes associated with the herbal laxative Swiss Kriss: a rare and incidental finding in a patient with colonic adenocarcinoma [Ewing] 565 (My)

Anthrax

Cutaneous anthrax [Godyn] 709 (Je)

Antiarrhythmic Agents

Amiodarone-induced thyrotoxicosis and thyroid cancer: clinical, immunohistochemical, and molecular genetic studies of a case and review of the literature [Saad] 807 (Jy)

Antibiotic Resistance see Drug Resistance, Microbial

Antibiotics

Cutaneous anthrax [Godyn] 709 (Je)
One patient, two lymphomas: simultaneous primary gastric marginal zone lymphoma and primary duodenal follicular lymphoma [Tang] 1035 (Se)

Pathologic quiz case: edema and diarrhea in a 2-year-old boy: Meckler disease with cytomegalovirus gastritis [Black] e117 (Se)

Phlegmonous gastritis associated with Kaposi sarcoma: a case report and review of the literature [Yu] 801 (Jy)
Routine syndecan-1 immunohistochemistry AIDS in the diagnosis of chronic endometritis [Bayer-Garner] 1000 (Se)

Antibiotics, Combined

Balamuthia mandrillaris meningoencephalitis in an immunocompetent patient: an unusual clinical course and a favorable outcome [Jung] 466 (Ap)

Antibodies

The spectrum of Kit (CD117) immunoreactivity in lung and pleural tumors: a study of 96 cases using a single-source antibody with a review of the literature [Butnor] 538 (My)

Antibodies, Antinuclear

Pathologic quiz case: progressive fatal encephalopathy in an immunosuppressed patient with a history of discoid lupus erythematosus: subacute granulomatous meningoencephalitis (*Acanthamoeba culbertsoni*) [Uscupich] e109 (Se)

Antibodies, Monoclonal

Overexpression of human carcinoma-associated antigen in urothelial carcinoma of the bladder [Yao] 785 (Jy)

Anticoagulants

Correlation of plasma coagulation parameters with thromboprophylaxis, patient characteristics, and outcome in the MEDENOX study [Desjardins] 519 (My)
Effect of polymorphisms in the cytochrome P450 CYP2C9 gene on warfarin anticoagulation [Adcock] 1360 (De)
Effects of pentasaccharide (fondaparinux) and direct thrombin inhibitors on coagulation testing [Gosselin] 1142 (Oc)

Fatal hemorrhagic pneumonia concomitant with *Chlamydia pneumoniae* and parainfluenza virus 4 infection [Rubinas] 640 (Je)

Heparin monitoring and patient safety: a College of American Pathologists Q-Probes study of 3431 patients at 140 institutions [Valenstein] 397 (Ap)

In-house calibration of the international sensitivity index or calibration curve for determination of the international normalized ratio [Brien] 308 (Mr)

Anti-Factor VIII Antibody see Factor VIII

Antigen-Antibody Reactions

A case of acute hemolysis after ceftriaxone: immune complex mechanism demonstrated by flow cytometry [Kakaiya] 905 (Au)

Antigens, CD

Biphasic acute myeloid leukemia with near-tetraploidy and immunophenotypic transformation [Imkie] 448 (Ap)

Antigens, CD20

Flow cytometric evaluation of posttransplant B-cell lymphoproliferative disorders [Kaleem] 181 (Fe)

Antigens, CD33

Challenge in diagnosis of CD56⁺ lymphoproliferative disorders: two cases of CD56⁺ CD33⁺ lymphoma/leukemia [Yang] e100 (Au)

Antigens, CD34

The immunology of fibrogenesis in alcoholic liver disease [Chedid] 1230 (No)

Antigens, CD56

Challenge in diagnosis of CD56⁺ lymphoproliferative disorders: two cases of CD56⁺ CD33⁺ lymphoma/leukemia [Yang] e100 (Au)

Antigens, CD68

Granular cell tumor: immunohistochemical assessment of inhibin- α , protein gene product 9.5, S100 protein, CD68, and Ki-67 proliferative index with clinical correlation [Le] 771 (Jy); correction, 844 (Au)

The immunology of fibrogenesis in alcoholic liver disease [Chedid] 1230 (No)

Antigens, Tumor-Associated, Carbohydrate

Frequent expression of human carcinoma-associated antigen, a mucin-type glycoprotein, in cells of prostatic carcinoma [Li] 1412 (De)

Overexpression of human carcinoma-associated antigen in urothelial carcinoma of the bladder [Yao] 785 (Jy)

Anti-IIa see Prothrombin

Anti-Infective Agents

Combinatorial genetic technology for the development of new anti-infectives [Laios] 1351 (De)

Anti-Inflammatory Agents, Non-Steroidal

Pathologic quiz case: a 59-year-old man with a 2-week history of right iliac fossa pain: nonsteroidal anti-inflammatory drug-induced colonic ulcer [Lipper] e39 (Fe)

Antipyretics see Analgesics, Non-Narcotic

Antithrombins

Effects of pentasaccharide (fondaparinux) and direct thrombin inhibitors on coagulation testing [Gosselin] 1142 (Oc)

α_1 -Antitrypsin Deficiency

Coexistent hereditary hemochromatosis and α_1 -antitrypsin deficiency [Shen] 491 (Ap)

Anti-Xa see Factor Xa

Antrum see Pyloric Antrum

Anus Neoplasms

Carcinoid tumor arising in a tailgut cyst of the anorectal junction with distant metastasis: a case report and review of the literature [Song] 578 (My)

Aortic Aneurysm

Aortic dissection [Xie] 599 (My)

Apoptosis

Cellular proliferative fraction measured with topoiso-erase II α predicts malignancy in endocrine pancreatic tumors [Diaz-Rubio] 426 (Ap)

Expression of cysteine protease protein 32 in prostatic adenocarcinoma correlates with tumor grade [Anwar] 649 (Je)

Survivin and Bcl-2 expression in prostatic adenocarcinomas [Kaur] 39 (Ja)

Ar-C see Cytarabine

ARCHIVES Manuscript Reviewers, 2003, 493 (Ap)

Argatroban

Effects of pentasaccharide (fondaparinux) and direct thrombin inhibitors on coagulation testing [Gosselin] 1142 (Oc)

Array Sequence Analysis

Advancing Practice, Instruction, and Innovation Through Informatics (APIII 2003): scientific session and e-poster abstracts, 1089 (Oc)

Arrhythmia

Spinal cord neuropathology in human West Nile virus infection [Fratkin] 533 (My)

Arrhythmogenic Right Ventricular Dysplasia

Pathologic quiz case: a 10-year-old boy with weakness, lethargy, and edema: arrhythmogenic right ventricular cardiomyopathy, cardiomyopathic pattern [White] 700 (Je)

Arthritis

Use of polymerase chain reaction to diagnose tubercular arthritis from joint tissues and synovial fluid (letter) [Arya] (reply) [Titov] 1326 (De)

Arthritis, Infectious

Use of polymerase chain reaction to diagnose tuberculous arthritis from joint tissues and synovial fluid [Titov] 205 (Fe)

Arthritis, Rheumatoid

Sinusoidal dilatation and congestion in liver biopsy: is it always due to venous outflow impairment? [Kakar] 901 (Au)

Artifacts

The scratch test [Pantanowitz] 598 (My)

Artificial Intelligence

Advancing Practice, Instruction, and Innovation Through Informatics (APIII 2003): scientific session and e-poster abstracts, 1089 (Oc)

Pathology informatics questions and answers from the University of Pittsburgh pathology residency informatics rotation [Harrison] 71 (Ja)

Asbestos

Quality control analysis of the potential for asbestos contamination during tissue processing in pathology laboratories [Dodson] 781 (Jy)

ASCII see Computers

Ascites

Pathologic quiz case: a 40-year-old woman with a large pelvic mass, ascites, massive right hydrothorax, and elevated CA 125: uterine symplastic leiomyoma associated with pseudo-Meigs syndrome and elevated CA 125 [Weinrach] 933 (Au)

ASCUS see Atypical Squamous Cells of Undetermined Significance

Astrocytoma

Giant cell glioblastoma and pleomorphic xanthoastrocytoma (letter) [Katselos] (reply) [Kleinschmidt-DeMasters] 391 (Ap)

Microdissection genotyping of mixed glial and primitive neuroectodermal central nervous system neoplasm [Mohan] 1161 (Oc)

Ataxia Telangiectasia

Current applications of flow cytometry in the diagnosis of primary immunodeficiency diseases [Illoh] 23 (Ja)

Atenolol

Pathologic quiz case: an indurated plaque on the ankle of a 74-year-old woman: interstitial granulomatous drug reaction [Siam] e129 (Oc)

Atherosclerosis

Abstracts from the College of American Pathologists 2003 Annual Meeting (CAP '03), 139 (Fe)

Atherosclerotic Cerebral Disease see Intracranial Arteriosclerosis

Atherosclerotic Coronary Disease see Coronary Arteriosclerosis

Atypical Decubital Fibroplasia see Fasciitis

Atypical Squamous Cells

Bethesda 2001 implementation and reporting rates: 2003 practices of participants in the College of American Pathologists Interlaboratory Comparison Program in Cervicovaginal Cytology [Davey] 1224 (No)

Atypical Squamous Cells of Undetermined Significance

Combining human papillomavirus testing or cervicography with cytology to detect cervical neoplasia [Howard] 1257 (No)
Comparison of human papillomavirus DNA prevalence in atypical squamous cells of undetermined significance subcategories as defined by the original Bethesda 1991 and the new Bethesda 2001 Systems [Pirog] 527 (My)

Auditory Canal see Ear Canal

Auricular Ossification see Ossification, Heterotopic

Autoantibodies

Abstracts from the College of American Pathologists 2003 Annual Meeting (CAP '03), 139 (Fe)

A case of acute hemolysis after ceftriaxone: immune complex mechanism demonstrated by flow cytometry [Kakaiya] 905 (Au)

Autocrine Loop

Transforming growth factor α and epidermal growth factor receptor in reactive and malignant mesothelial proliferations [Cai] 68 (Ja)

Autoimmune Diseases

Abstracts from the College of American Pathologists 2003 Annual Meeting (CAP '03), 139 (Fe)

Automated Biological and Clinical Reasoning see Artificial Intelligence

Autopsy

Advancing Practice, Instruction, and Innovation Through Informatics (APIII 2003): scientific session and e-poster abstracts, 1089 (Oc)

The challenge of using autopsy information for quality improvement [Bove] 11 (Ja)

The challenge of using autopsy information for quality

improvement (letter) [Horowitz] (reply) [Bowe], 850 (Au)

Comorbidity in dementia: an autopsy study [Fu] 32 (Ja)

How the pediatric autopsy yields valuable information in a vertically integrated health care system [Newton] 1239 (No)

Pathologic quiz case: a 74-year-old man with an incidental retroperitoneal tumor found at autopsy: presacral myeloid lipoma [Mariappan] 591 (My)

Pathology of plasma cell dyscrasia: how much can we learn from autopsy studies? 1082 (Oc); correction [Picken] 1322 (De)

Peliosis hepatis associated with lymphoplasmacytic lymphoma: an autopsy case report [Corpa] 1283 (No)

Radiographically occult, diffuse intrasinusoidal hepatic metastases from primary breast carcinomas: a clinicopathologic study of 3 autopsy cases [Allison] 1418 (De)

Renal pathologic spectrum in an autopsy series of patients with plasma cell dyscrasia [Herrera] 875 (Au)

Spinal cord neuropathology in human West Nile virus infection (letter) [Arya] (reply) [Frank] 1210 (No)

What is a picture worth? digital imaging applications in autopsy reports [Pritt] 1247 (No)

Axilla

Axillary intranodal cysts associated with breast malignancy [Colombo] 361 (Mr)

Pathologic quiz case: a 17-year-old renal transplant patient with persistent fever, pancytopenia, and axillary lymphadenopathy: bacillary angiomatosis of the lymph node in the renal transplant recipient [Juskevicius] e12 (Ja)

B

Bacille Calmette-Guérin see *Mycobacterium bovis*

Bacillus aerogenes capsulatus see *Bacillus welchii*

Bacillus welchii

William H. Welch, MD, and the discovery of *Bacillus welchii* [Lucey] 1193 (Oc)

Back Pain

Pathologic quiz case: back pain in a 48-year-old woman: myxopapillary ependymoma [Berns] 811 (Jy)

Bacteremia

Pathologic quiz case: multiple splenic lesions in a bacteremic patient: littoral cell angiosarcoma of the spleen [Fadare] 1183 (Oc)

Balamuthia mandrillaris

Balamuthia mandrillaris meningoencephalitis in an immunocompetent patient: an unusual clinical course and a favorable outcome [Jung] 466 (Ap)

Pathologic quiz case: progressive fatal encephalopathy in an immunosuppressed patient with a history of discoid lupus erythematosus: subacute granulomatous meningoencephalitis (*Acanthamoeba culbertsoni*) [Uchsupli] e109 (Se)

Barrett Esophagus

Inlet patch: prevalence, histologic type, and association with esophagitis, Barrett esophagus, and antritis [Tang] 444 (Ap)

Bartonella henselae

Pathologic quiz case: a 17-year-old renal transplant patient with persistent fever, pancytopenia, and axillary lymphadenopathy: bacillary angiomatosis of the lymph node in the renal transplant recipient [Juskevicius] e12 (Ja)

Basal Cell Nevus Syndrome

Molecular analysis to demonstrate that odontogenic keratocysts are neoplastic [Agaram] 313 (Mr)

Pathologic quiz case: fine-needle aspiration of lytic bone lesions in a 63-year-old woman: metastatic basal cell carcinoma to the bone in Gorlin syndrome [Adem] 819 (Jy)

BCR-ABL Gene

see **Genes, abl**

Bedside Testing

see **Point-of-Care Systems**

Bethesda System

Bethesda 2001 implementation and reporting rates: 2003 practices of participants in the College of American Pathologists Interlaboratory Comparison Program in Cervicovaginal Cytology [Davey] 1224 (No)

Comparison of human papillomavirus DNA prevalence in atypical squamous cells of undetermined significance subcategories as defined by the original Bethesda 1991 and the new Bethesda 2001 Systems [Pirog] 527 (My)

Biliary Tract Neoplasms

Oncocytic biliary cystadenocarcinoma: a case report and review of the literature [Bardin] e25 (Fe)

Bilirubin

Bilirubin proficiency testing using specimens containing unconjugated bilirubin and human serum: results of a College of American Pathologists Study [Lo] 1219 (No)

Bioinformatics

see **Computational Biology; Medical Informatics Applications**

Biological and Clinical Reasoning

see **Artificial Intelligence**

Biological Assay

Laboratory and clinical aspects of B-type natriuretic peptides [Elin] 697 (Je)

Biological Markers

Advancing Practice, Instruction, and Innovation Through Informatics (APIII 2003): scientific session and e-poster abstracts, 1089 (Oc)

Biochemical markers of myocardial injury test turnaround time: a College of American Pathologists Q-Probes study of 7020 troponin and 4368 creatine kinase-MB determinations in 159 institutions [Novis] 158 (Fe)

Determination of plasma glycoprotein 2 levels in patients with pancreatic disease [Hao] 668 (Je)

Diagnostic and prognostic value of cardiac troponin I assays in patients admitted with symptoms suggestive of acute coronary syndrome [Apple] 430 (Ap)

Evaluation of a dimeric inhibin-A assay for assessing fetal Down syndrome: establishment, comparison, and monitoring of median concentrations for normal pregnancies [Erickson] 415 (Ap)

Hyperhomocysteinemia measured by immunoassay: a valid measure of coronary artery atherosclerosis [Stauffer] 1263 (No)

Biological Warfare

Clostridium botulinum and the clinical laboratorian: a detailed review of botulism, including biological warfare ramifications of botulinum toxin [Caya] 653 (Je)

Biomedical Research

Advancing Practice, Instruction, and Innovation Through Informatics (APIII 2003): scientific session and e-poster abstracts, 1089 (Oc)

Biopsy

Clinicopathologic study of hepatic *Penicillium marneffei* in northern Thailand [Yousukh] 191 (Fe)

Practice patterns of clinicians following isolated diagnoses of atypical small acinar proliferation on prostate biopsy specimens [Fadare] 557 (My)

Biopsy, Fine-Needle

Comparison of needle core biopsy and fine-needle aspiration for diagnostic accuracy in musculoskeletal lesions [Yang] 759 (Jy)

Detection of tumor markers including carcinoembryonic antigen, APC, and cyclin D2 in fine-needle aspiration fluid of breast [Lee] 1251 (No)

Pathologic quiz case: fine-needle aspiration of lytic bone lesions in a 63-year-old woman: metastatic basal cell carcinoma to the bone in Gorlin syndrome [Adem] 819 (Jy)

The value of fluorescence in situ hybridization and polymerase chain reaction in the diagnosis of B-cell non-Hodgkin lymphoma in fine-needle aspiration [Safley] 1395 (De)

Biopsy, Needle

Comparison of needle core biopsy and fine-needle aspiration for diagnostic accuracy in musculoskeletal lesions [Yang] 759 (Jy)

Giant cell tumor of rib masquerading as thymoma: a diagnostic pitfall in needle core biopsy of the mediastinum [Volmar] 452 (Ap)

Minimal (≤ 0.1 cm) invasive carcinoma in breast core needle biopsies: incidence, sampling, associated findings, and follow-up [Renshaw] 996 (Se)

Plasmablastic lymphoma of the cervical lymph nodes in a human immunodeficiency virus-negative patient: a case report and review of the literature [Lin] 581 (My)

Biosafety

see **Safety**

Bioterrorism

Clostridium botulinum and the clinical laboratorian: a detailed review of botulism, including biological warfare ramifications of botulinum toxin [Caya] 653 (Je)

Bivalirudin

Effects of pentasaccharide (fondaparinux) and direct thrombin inhibitors on coagulation testing [Gosselin] 1142 (Oc)

BK Virus

Polymavirus in a lung transplant patient [Jani] 1463 (De)

Bladder Neck Obstruction

Pathologic quiz case: a 70-year-old man with bladder outflow obstruction: prostatic stromal sarcoma [Malhotra] e81 (Je)

Bladder Neoplasms

Allelic loss of the active X chromosome during bladder carcinogenesis [Cheng] 187 (Fe)

Carcinosarcoma of the urinary bladder following cyclophosphamide therapy: evidence for monoclonal origin and chromosome 9p allelic loss [Mukhopadhyay] e8 (Ja)

Low-grade neuroendocrine carcinoma (carcinoid tumor) of the prostate [Reyes] e166 (De)

Overexpression of human carcinoma-associated antigen in urothelial carcinoma of the bladder [Yao] 785 (Jy)

Pathologic quiz case: bladder tumor in a 41-year-old man: cystitis glandularis of intestinal type with mucin extravasation [Mukhopadhyay] e89 (Jy)

Pathologic quiz case: a 73-year-old man with a bladder mass: combined primary small cell neuroendocrine carcinoma and high-grade papillary urothelial carcinoma of the urinary bladder [Lau] 1055 (Se)

Pathologic quiz case: a 35-year-old man with hematuria: paraganglioma involving the prostate [Parwani] e104 (Au)

Pathologic quiz case: a 3-year-old girl with dysuria and urinary incontinence: primary embryonal rhabdomyosarcoma of the urinary bladder [Parwani] 357 (Mr)

Primary adenocarcinoma of cutaneous vesicostomy 40 years later: a rare case [Yohannes] e58 (Ap)

Urachal malignant fibrous histiocytoma: a case report and review of the literature [Wang] 456 (Ap)

Blast Crisis

Progression of chronic myeloid leukemia to blast crisis during treatment with imatinib mesylate [Xu] 980 (Se)

β -Blockers

see **Adrenergic beta-Antagonists**

Blood Banks

Bacterial contamination of platelet units: a case report and literature survey with review of upcoming American Association of Blood Banks requirements [Burns] 279 (Mr)

Blood Chemical Analysis

Continuous monitoring of stat and routine outlier turnaround times: two College of American Pathologists Q-Tracks monitors in 291 hospitals [Novis] 621 (Je)

Blood Circulation

Radiographically occult, diffuse intrasinusoidal hepatic metastases from primary breast carcinomas: a clinicopathologic study of 3 autopsy cases [Allison] 1418 (De)

Sinusoidal dilatation and congestion in liver biopsy: is it always due to venous outflow impairment? [Kakar] 901 (Au)

Blood Coagulation Disorders

Advancing Practice, Instruction, and Innovation Through Informatics (APIII 2003): scientific session and e-poster abstracts, 1089 (Oc)

Pathologic quiz case: a 64-year-old man with hematuria, intracranial hemorrhage, and severe coagulation abnormalities: long-acting warfarin-like rodenticide toxicity [Kurbegov] e181 (De)

Blood Coagulation Factors

Correlation of plasma coagulation parameters with thromboprophylaxis, patient characteristics, and outcome in the MEDENOX study [Desjardins] 519 (My)

Blood Coagulation Tests

Effects of pentasaccharide (fondaparinux) and direct thrombin inhibitors on coagulation testing [Gosselin] 1142 (Oc)

Physician survey of a laboratory medicine interpretive service and evaluation of the influence of interpretations on laboratory test ordering [Laposata] 1424 (De)

Reflectance spectroscopy of clotting blood: a description of the time-dependent behavior [Greco] 173 (Fe)

Blood Component Transfusion

Febrile nonhemolytic transfusion reactions: management by premedication and cost implications in adult patients [Ezdiegwu] 991 (Se)

Reagent strips may not detect *Staphylococcus epidermidis* contamination of platelet concentrates [Tarrand] 852 (Au)

Blood Group Incompatibility

College of American Pathologists Laboratory Accreditation checklist item TRM.44955: phase I requirement on bacterial detection in platelets [Shulman] 958 (Se)

Febrile nonhemolytic transfusion reactions: management by premedication and cost implications in adult patients [Ezdiegwu] 991 (Se)

Blood Platelets

College of American Pathologists Laboratory Accreditation checklist item TRM.44955: phase I requirement on bacterial detection in platelets [Shulman] 958 (Se)

Reagent strips may not detect *Staphylococcus epidermidis* contamination of platelet concentrates [Tarrand] 852 (Au)

Blood Protein Electrophoresis

Hemoglobin C and hemoglobin O-Arab variants can be diagnosed using the Bio-Rad Variant II high-performance liquid chromatography system without further confirmatory tests [Joutovsky] 435 (Ap)

Blood Specimen Collection

Pathologic quiz case: repeated positive ethylene glycol levels by gas chromatography: central venous line contamination of blood samples by propylene glycol from intravenous lorazepam injections [Hilliard] e79 (Je)

B-Lymphocytes

Flow cytometric evaluation of posttransplant B-cell lymphoproliferative disorders [Kaleem] 181 (Fe)

In hematopathology, love is everywhere [Al-Quran] 1309 (No)

Body Fluids

Fluids—good and bad actors: observations from the College of American Pathologists Interlaboratory Comparison Program in Nongynecologic Cytology [Moriarty] 513 (My)

Bone and Bones

Myocardial involvement in Erdheim-Chester disease [Loeffler] 682 (Je)

Bone Diseases

Fibrous dysplasia with degenerative atypia: a benign lesion potentially mistaken for sarcoma [Bertoni] 794 (Jy)
Pulmonary and ophthalmic involvement with Erdheim-Chester disease: a case report and review of the literature [Allen] 1428 (De)

Bone Formation see Osteogenesis

Bone Marrow

Biphasic acute myeloid leukemia with near-tetraploidy and immunophenotypic transformation [Imkie] 448 (Ap)
In hematopathology, love is everywhere [Al-Quran] 1309 (No)
Perivascular fibrosis in the bone marrow in sickle cell disease [Manci] 634 (Je)

Bone Marrow Examination

Importance of immunohistochemical staining in metastatic anaplastic oligodendroglioma [Choon] 489 (Ap)

Bone Marrow Transplantation

Pathologic quiz case: renal impairment after bone marrow transplantation: bone marrow transplant nephropathy [Chan] 233 (Fe)
Progression of chronic myeloid leukemia to blast crisis during treatment with imatinib mesylate [Xu] 980 (Se)

Bone Morphogenetic Proteins

Bone morphogenetic proteins are expressed by both bone-forming and non-bone-forming lesions [Khurana] 1267 (No)

Bone Neoplasms

Bone morphogenetic proteins are expressed by both bone-forming and non-bone-forming lesions [Khurana] 1267 (No)
Giant cell tumor of rib masquerading as thymoma: a diagnostic pitfall in needle core biopsy of the mediastinum [Volmar] 452 (Ap)
Pathologic quiz case: an 18-year-old man with pain and swelling of the left hand: chondroblastoma [Baisre] e120 (Se)
Pathologic quiz case: fine-needle aspiration of lytic bone lesions in a 63-year-old woman: metastatic basal cell carcinoma to the bone in Gorlin syndrome [Adem] 819 (Jy)
Pathologic quiz case: lytic femoral lesion and renal cysts in a 66-year-old man: occult follicular carcinoma of the thyroid [Rund] 359 (Mr)
Pathologic quiz case: myxoid tibial lesion in a 31-year-old man: low-grade myxofibrosarcoma [Kapur] e65 (Ap)

BOOK REVIEWS

Bartlett JMS: PCR Protocols, 715 (Je)
Engbaek K, Heuck CC, Moody AH: Manual of Basic Techniques for a Health Laboratory, 495 (Ap)
Gray W, McKee G: Diagnostic Cytopathology, 715 (Je)
Iserson KV: Iserson's Getting Into a Residency: A Guide for Medical Students, 113 (Ja)
Lloyd RV: Endocrine Pathology: Differential Diagnosis and Molecular Advances, 495 (Ap)
Miettinen M: Diagnostic Soft Tissue Pathology, 367 (Mr)

Books Received (list), 113 (Ja)

Borrelia Infections

Intestinal spirochetosis [Nodit] 823 (Jy)

Botulinum Toxin

Clostridium botulinum and the clinical laboratorian: a detailed review of botulism, including biological warfare ramifications of botulinum toxin [Caya] 653 (Je)

Bowen's Disease

Extramammary Paget disease of the scrotum with features of Bowen disease: a case report and review of the literature [Quinn] 84 (Ja)

Brachyspira aalborgi

Intestinal spirochetosis [Guzman] 1188 (Oc)
Intestinal spirochetosis [Nodit] 823 (Jy)

Brachyspira pilosicoli

Intestinal spirochetosis [Guzman] 1188 (Oc)

Bradycardia

Pathologic quiz case: a newborn with seizures: cortical dysplasia (malformation of cortical development) [Spencer] e91 (Jy)

Brain

Evidence for involvement of transforming growth factor β 1 signaling pathway in activation of JC virus in human immunodeficiency virus 1-associated progressive multifocal leukoencephalopathy [Enam] 282 (Mr)
Pathologic quiz case: a 50-year-old man with altered mental status and bilateral deep white matter lesions: primary central nervous system B-cell lymphoma [Gupta] 595 (My)

Stability of JC virus coding sequences in a case of progressive multifocal leukoencephalopathy in which the viral control region was rearranged markedly [Zheng] 275 (Mr)

Brain Diseases

Balamuthia mandrillaris meningoencephalitis in an immunocompetent patient: an unusual clinical course and a favorable outcome [Jung] 466 (Ap)
Pathologic quiz case: progressive fatal encephalopathy in an immunosuppressed patient with a history of discoid lupus erythematosus: subacute granulomatous meningoencephalitis (*Acanthamoeba culbertsoni*) [Ushuplich] e109 (Se)

Brain Neoplasms

Chordoid glioma: clinicopathologic profile and differential diagnosis of an uncommon tumor [Buccoliero] e141 (No)
Epithelioid hemangiopericytoma of the suprasellar area: a case report and review of the literature [Baehring] 1289 (No)
Giant cell glioblastoma and pleomorphic xanthoastrocytoma (letter) [Katsetos] (reply) [Kleinschmidt-DeMasters] 391 (Ap)
Importance of immunohistochemical staining in metastatic anaplastic oligodendroglioma [Choon] 489 (Ap)
Microdissection genotyping of mixed glial and primitive neuroectodermal central nervous system neoplasm [Mohan] 1161 (Oc)
Pathologic quiz case: a 15-year-old girl with an intracranial midline mass: pineoblastoma, World Health Organization Grade IV [Song] 707 (Je)
Pathologic quiz case: a 52-year-old woman with a pleural mass: metastatic hemangiopericytoma [Jani] 1061 (Se)
Pathologic quiz case: progressive headaches in a 50-year-old woman: chordoid meningioma [Green] e115 (Se)
Pathologic quiz case: a 27-week female fetus with massive macrocephaly and generalized anasarca: congenital immature intracranial teratoma with skull rupture and high output cardiac failure [Bhattacharya] 102 (Ja)
Primary anaplastic lymphoma kinase-negative anaplastic large cell lymphoma of the brain in a patient with acquired immunodeficiency syndrome [Rowse] 324 (Mr)
Textiloma (gossypiboma) mimicking recurrent intracranial tumor [Ribalta] 749 (Jy)

Brain Stem

Secondary leptomeningeal sarcomatosis [Grier] 1303 (No)

Breast Diseases

Nonproliferative fibrocystic changes and the Easter bunny [Fischer] 1054 (Se)
Pathologic quiz case: a 77-year-old woman with bilateral breast masses: amyloidosis involving the breast [Fleury] e67 (Ap)
Pathologic quiz case: a solitary breast nodule in an elderly woman: fasciitis ossificans of the breast [Lui] e29 (Fe)

Breast Implants see Mammoplasty

Breast Neoplasms

Abstracts from the College of American Pathologists 2003 Annual Meeting (CAP '03), 139 (Fe)
Axillary intramammary cysts associated with breast malignancy [Colombo] 361 (Mr)
Detection of tumor markers including carcinoembryonic antigen, APC, and cyclin D2 in fine-needle aspiration fluid of breast [Lee] 1251 (No)
Epidermal growth factor receptor status in breast cancer metastases to the central nervous system: comparison with HER-2/neu status [Grupka] 974 (Se)
Massive thyroid tumor embolism from a breast carcinoma presenting as acute thyroiditis [Jiménez-Hefner] 804 (Jy)
Minimal (≤ 0.1 cm) invasive carcinoma in breast core needle biopsies: incidence, sampling, associated findings, and follow-up [Renshaw] 996 (Se)
Pathologic quiz case: a rapidly increasing breast mass in a postmenopausal woman: malignant adenomyoepithelioma [Harigopal] 235 (Fe)
Primary small bowel carcinoid tumor with bilateral breast metastases: report of 2 cases with different clinical presentations [Mosnadj] 292 (Mr)
Radiographically occult, diffuse intrasinusoidal hepatic metastases from primary breast carcinomas: a clinicopathologic study of 3 autopsy cases [Allison] 1418 (De)
Recurrent breast carcinoma arising in a transverse rectus abdominis myocutaneous flap [Chung] 1157 (Oc)
Synchronous sentinel lymph node metastasis of lobular and ductal carcinoma [Mohan] 365 (Mr)
A unique collision tumor in breast: invasive ductal carcinoma and mucosa-associated lymphoid tissue lymphoma [Susnik] 99 (Ja)

Breast Neoplasms, Male

Abstracts from the College of American Pathologists 2003 Annual Meeting (CAP '03), 139 (Fe)

Primary basal cell carcinoma of the nipple [Gupta] 792 (Jy)

Breast Reconstruction see Mammoplasty

Brodifacoum see Bromfenacoum

Bromfenacoum

Pathologic quiz case: a 64-year-old man with hematuria, intracranial hemorrhage, and severe coagulation abnormalities: long-acting warfarin-like rodenticide toxicity [Kurbegov] e181 (De)

Bronchioloalveolar Carcinoma see Adenocarcinoma, Bronchiolo-Alveolar

Burkitt Leukemia see Leukemia, B-Cell, Acute

Burkitt Lymphoma

Burkitt leukemia [Flaung] 1459 (De)
Early stage of Epstein-Barr virus lytic infection leading to the "starry sky" pattern formation in endemic Burkitt lymphoma [Fujita] 549 (My)
Follicular lymphoma with a Burkitt translocation—predictor of an aggressive clinical course: a case report and review of the literature [Voorhees] 210 (Fe)

Burns, Electric

Tracheal stenosis due to cytomegalovirus [Ashton-Sager] 1050 (Se)

C

CA-15-3 Antigen

Detection of tumor markers including carcinoembryonic antigen, APC, and cyclin D2 in fine-needle aspiration fluid of breast [Lee] 1251 (No)
MUC1 gene-derived glycoprotein assays for monitoring breast cancer (CA 15-3, CA 27.29, BR): are they measuring the same antigen? [Klee] 1131 (Oc)

CA 27-29 Antigen

MUC1 gene-derived glycoprotein assays for monitoring breast cancer (CA 15-3, CA 27.29, BR): are they measuring the same antigen? [Klee] 1131 (Oc)

CA-125 Antigen

Detection of tumor markers including carcinoembryonic antigen, APC, and cyclin D2 in fine-needle aspiration fluid of breast [Lee] 1251 (No)
Pathologic quiz case: a 40-year-old woman with a large pelvic mass, ascites, massive right hydrothorax, and elevated CA 125: uterine symplastic leiomyoma associated with pseudo-Meigs syndrome and elevated CA 125 [Weinrach] 933 (Au)

Cadherins

Abstracts from the College of American Pathologists 2003 Annual Meeting (CAP '03), 139 (Fe)

Calcinosis

Idiopathic bilateral auricular ossifications: a case report and review of the literature [High] 1432 (De)
Pathologic quiz case: an 18-year-old man with pain and swelling of the left hand: chondroblastoma [Baisre] e120 (Se)
Pathologic quiz case: a 77-year-old woman with bilateral breast masses: amyloidosis involving the breast [Fleury] e67 (Ap)
Pathologic quiz case: soft tissue calcifications of the shoulder in a 31-year-old woman: synovial chondromatosis [Lorusso] 1455 (De)
Pathologic quiz case: testicular pain and scrotal swelling in a 25-year-old man: large cell calcifying Sertoli cell tumor of the testis [Evans] e137 (Oc)

Calcium

Spurious hypocalcemia after Omniscan- or OptiMARK-enhanced magnetic resonance imaging: an algorithm for minimizing a false-positive laboratory value [Emerson] 1151 (Oc)

Calibration

Calibration verification performance relates to proficiency testing performance [Kroll] 544 (My)
In-house calibration of the international sensitivity index or calibration curve for determination of the international normalized ratio [Brien] 308 (Mr)
MUC1 gene-derived glycoprotein assays for monitoring breast cancer (CA 15-3, CA 27.29, BR): are they measuring the same antigen? [Klee] 1131 (Oc)

Canada

Severe acute respiratory syndrome: overview with an emphasis on the Toronto experience [Mazzulli] 1346 (De)

Candida

Abstracts from the College of American Pathologists 2003 Annual Meeting (CAP '03), 139 (Fe)
Russell body gastritis: an unusual, tumor-like lesion of the gastric mucosa [Erbersdobler] 915 (Au)

Carbamazepine

Adding pharmacogenetics to the clinical laboratory: narrow therapeutic index medications as a place to start [Bukaveckas] 1330 (De)

Carcinoembryonic Antigen

Detection of tumor markers including carcinoembryonic

- antigen, APC, and cyclin D2 in fine-needle aspiration fluid of breast [Lee] 1251 (No)
- Carcinoid Tumor**
- Carcinoid tumor arising in a tailgut cyst of the anorectal junction with distant metastasis: a case report and review of the literature [Song] 578 (My)
- Low-grade neuroendocrine carcinoma (carcinoid tumor) of the prostate [Reyes] e166 (De)
- Primary small bowel carcinoid tumor with bilateral breast metastases: report of 2 cases with different clinical presentations [Mosunjac] 292 (Mr)
- The spectrum of Kit (CD117) immunoreactivity in lung and pleural tumors: a study of 96 cases using a single-source antibody with a review of the literature [Butnor] 538 (My)
- Carcinoma**
- Abstracts from the College of American Pathologists 2003 Annual Meeting (CAP '03), 139 (Fe)
- Advanced gastric carcinoma with a complete intestinal metaplasia phenotype associated with early intestinal-type carcinoma [Rivera-Hueto] 218 (Fe)
- Distinct secreted Frizzled receptor protein 1 staining pattern in patients with hyperplastic polyposis coli syndrome [Oberschmidt] 967 (Se)
- Epiglottic histoplasmosis presenting in a nonendemic region: a clinical mimic of laryngeal carcinoma [O'Hara] 574 (My)
- Human papillomavirus typing of rare cervical carcinoma [Matthews-Greer] 553 (My)
- Pathologic quiz case: bladder tumor in a 41-year-old man: cystitis glandularis of intestinal type with mucin extravasation [Mukhopadhyay] e89 (Jy)
- Pathologic quiz case: a right adnexal mass in a postmenopausal patient: malignant mixed müllerian tumor with heterologous elements arising in the fallopian tube [Humble] e161 (No)
- Pathologic quiz case: a 70-year-old woman with postmenopausal bleeding: endometrial intraepithelial carcinoma, clear cell type [Moid] e157 (No)
- Sarcomatoid carcinoma of the small intestine: a case report and review of the literature [Reid-Nicholson] 918 (Au)
- Carcinoma, Acinar Cell**
- Pathologic quiz case: a 42-year-old man with right facial swelling and weakness: dedifferentiated acinar cell carcinoma of the parotid gland [Schultz] e52 (Mr)
- Practice patterns of clinicians following isolated diagnoses of atypical small acinar proliferation on prostate biopsy specimens [Fadare] 557 (My)
- Carcinoma, Adenoid Cystic**
- Basaloid squamous cell carcinoma of the esophagus with or without adenoid cystic features [Li] 1124 (Oc)
- Pathologic quiz case: an asymptomatic 79-year-old woman with an abnormal Papanicolaou test: adenoid basal carcinoma of the cervix [Khouri] 485 (Ap)
- Pathologic quiz case: an 83-year-old woman with a uterine cervical mass: adenoid cystic carcinoma [Dimashkieh] 817 (Jy)
- Carcinoma, Adenosquamous**
- Human papillomavirus typing of rare cervical carcinoma [Matthews-Greer] 553 (My)
- Carcinoma, Basal Cell**
- Pathologic quiz case: fine-needle aspiration of lytic bone lesions in a 63-year-old woman: metastatic basal cell carcinoma to the bone in Gorlin syndrome [Adem] 819 (Jy)
- Primary basal cell carcinoma of the nipple [Gupta] 792 (Jy)
- Carcinoma, Bronchogenic**
- Bronchial epithelial-myoepithelial carcinoma [Ru] 92 (Ja)
- Carcinoma, Clear Cell**
- Clear cell renal cell carcinoma with syncytial giant cells: a case report and review of the literature [Shen] 1435 (De)
- Carcinoma, Ductal, Breast**
- Comparative assays for the HER-2/neu oncogene status in breast cancer [Vera-Roman] 627 (Je)
- Minimal (≤ 0.1 cm) invasive carcinoma in breast core needle biopsies: incidence, sampling, associated findings, and follow-up [Renshaw] 996 (Se)
- Noninvasive carcinoma of the breast: angiogenesis and cell proliferation [Cao] 893 (Au)
- Primary small bowel carcinoid tumor with bilateral breast metastases: report of 2 cases with different clinical presentations [Mosunjac] 292 (Mr)
- Synchronous sentinel lymph node metastasis of lobular and ductal carcinoma [Mohan] 365 (Mr)
- A unique collision tumor in breast: invasive ductal carcinoma and mucosa-associated lymphoid tissue lymphoma [Susnik] 99 (Ja)
- Carcinoma, Hepatocellular**
- Fibrolamellar hepatocellular carcinoma occurring 5 years after hepatocellular adenoma in a 14-year-old girl: a case report with comparative genomic hybridization analysis [Terracciano] 222 (Fe)
- Pathologic quiz case: a 54-year-old liver transplant recipient with diffuse thickening of the sigmoid colon: malakoplakia of the colon associated with liver transplant [Weinrach] e133 (Oc)
- Carcinoma, Intraductal, Noninfiltrating**
- Noninvasive carcinoma of the breast: angiogenesis and cell proliferation [Cao] 893 (Au)
- Carcinoma, Lobular**
- Minimal (≤ 0.1 cm) invasive carcinoma in breast core needle biopsies: incidence, sampling, associated findings, and follow-up [Renshaw] 996 (Se)
- Synchronous sentinel lymph node metastasis of lobular and ductal carcinoma [Mohan] 365 (Mr)
- Carcinoma, Mucoepidermoid**
- Sclerosing mucoepidermoid carcinoma of the parotid gland [Fadare] 1046 (Se)
- Carcinoma, Neuroendocrine**
- Human papillomavirus typing of rare cervical carcinoma [Matthews-Greer] 553 (My)
- Low-grade neuroendocrine carcinoma (carcinoid tumor) of the prostate [Reyes] e166 (De)
- Pathologic quiz case: a 73-year-old man with a bladder mass: combined primary small cell neuroendocrine carcinoma and high-grade papillary urothelial carcinoma of the urinary bladder [Lau] 1055 (Se)
- Primary small cell neuroendocrine carcinoma of the vagina: a clinicopathologic study [Bing] 857 (Au)
- The spectrum of Kit (CD117) immunoreactivity in lung and pleural tumors: a study of 96 cases using a single-source antibody with a review of the literature [Butnor] 538 (My)
- Carcinoma, Pancreatic Ductal**
- Abstracts from the College of American Pathologists 2003 Annual Meeting (CAP '03), 139 (Fe)
- Clear cell ductal adenocarcinoma of pancreas: a case report and review of the literature [Ray] 693 (Je)
- Carcinoma, Papillary**
- Amiodarone-induced thyrotoxicosis and thyroid cancer: clinical, immunohistochemical, and molecular genetic studies of a case and review of the literature [Saad] 807 (Jy)
- Human papillomavirus typing of rare cervical carcinoma [Matthews-Greer] 553 (My)
- Macrofollicular variant of papillary carcinoma of the thyroid: a histologic, cytologic, and immunohistochemical study of 3 cases and review of the literature [Lugli] 54 (Ja)
- Oncocytic biliary cystadenocarcinoma: a case report and review of the literature [Bardin] e25 (Fe)
- Pathologic quiz case: a 73-year-old man with a bladder mass: combined primary small cell neuroendocrine carcinoma and high-grade papillary urothelial carcinoma of the urinary bladder [Lau] 1055 (Se)
- Pathologic quiz case: tumor in pigmented thyroid gland in a young man: papillary thyroid carcinoma in a minocycline-induced, diffusely pigmented thyroid gland [Raghavan] 355 (Mr)
- Spindle cell transformation of papillary carcinoma: an aggressive entity distinct from anaplastic thyroid carcinoma [Brandwein-Gensler] 87 (Ja)
- Carcinoma, Papillary, Follicular**
- Abstracts from the College of American Pathologists 2003 Annual Meeting (CAP '03), 139 (Fe)
- Carcinoma, Renal Cell**
- Abstracts from the College of American Pathologists 2003 Annual Meeting (CAP '03), 139 (Fe)
- Clear cell renal cell carcinoma with syncytial giant cells: a case report and review of the literature [Shen] 1435 (De)
- Pathologic quiz case: an 82-year-old woman with a renal mass: renal cell carcinoma with rhabdoid features [Lee] 109 (Ja)
- Renal tumor with overlapping distal nephron morphology and karyotype [Lindgren] 1274 (No)
- Carcinoma, Signet Ring Cell**
- Differential trends in the intestinal and diffuse types of gastric carcinoma in the United States, 1973-2000: increase in the signet ring cell type [Henson] 765 (Jy)
- Carcinoma, Small Cell**
- Fluids—good and bad actors: observations from the College of American Pathologists Interlaboratory Comparison Program in Nongynecologic Cytology [Moriarty] 513 (My)
- Pathologic quiz case: a 73-year-old man with a bladder mass: combined primary small cell neuroendocrine carcinoma and high-grade papillary urothelial carcinoma of the urinary bladder [Lau] 1055 (Se)
- Primary combined squamous and small cell carcinoma of the larynx: a case report and review of the literature [Jaiswal] 1279 (No)
- Primary small cell neuroendocrine carcinoma of the vagina: a clinicopathologic study [Bing] 857 (Au)
- The spectrum of Kit (CD117) immunoreactivity in lung and pleural tumors: a study of 96 cases using a single-source antibody with a review of the literature [Butnor] 538 (My)
- Carcinoma, Squamous Cell**
- Basaloid squamous cell carcinoma of the esophagus with or without adenoid cystic features [Li] 1124 (Oc)
- Cytologic features of squamous cell carcinoma in ThinPrep slides: evaluation of cases that performed poorly versus those that performed well in the College of American Pathologists Interlaboratory Comparison Program in Cervicovaginal Cytology [Renshaw] 403 (Ap)
- Detection of adenocarcinoma in situ of the cervix in Papanicolaou tests: comparison of diagnostic accuracy with other high-grade lesions [Renshaw] 153 (Fe)
- Extramammary Paget disease of the scrotum with features of Bowen disease: a case report and review of the literature [Quinn] 84 (Ja)
- Fluids—good and bad actors: observations from the College of American Pathologists Interlaboratory Comparison Program in Nongynecologic Cytology [Moriarty] 513 (My)
- Human papillomavirus typing of rare cervical carcinoma [Matthews-Greer] 553 (My)
- Primary combined squamous and small cell carcinoma of the larynx: a case report and review of the literature [Jaiswal] 1279 (No)
- Scalp paraffinoma underlying squamous cell carcinoma [Ko] 1171 (Oc)
- The spectrum of Kit (CD117) immunoreactivity in lung and pleural tumors: a study of 96 cases using a single-source antibody with a review of the literature [Butnor] 538 (My)
- Carcinoma, Transitional Cell**
- Allelic loss of the active X chromosome during bladder carcinogenesis [Cheng] 187 (Fe)
- Carcinosarcoma of the urinary bladder following cyclophosphamide therapy: evidence for monoclonal origin and chromosome 9p allelic loss [Mukhopadhyay] e8 (Ja)
- Collision metastasis of prostatic and colonic adenocarcinoma: report of 2 cases [Wade] 318 (Mr)
- Overexpression of human carcinoma-associated antigen in urothelial carcinoma of the bladder [Yao] 785 (Jy)
- Pathologic quiz case: a 73-year-old man with a bladder mass: combined primary small cell neuroendocrine carcinoma and high-grade papillary urothelial carcinoma of the urinary bladder [Lau] 1055 (Se)
- Carcinoma, Urothelial see Carcinoma, Transitional Cell**
- Carcinoma In Situ**
- Detection of adenocarcinoma in situ of the cervix in Papanicolaou tests: comparison of diagnostic accuracy with other high-grade lesions [Renshaw] 153 (Fe)
- Minimal (≤ 0.1 cm) invasive carcinoma in breast core needle biopsies: incidence, sampling, associated findings, and follow-up [Renshaw] 996 (Se)
- Noninvasive carcinoma of the breast: angiogenesis and cell proliferation [Cao] 893 (Au)
- Carcinosarcoma**
- Carcinosarcoma of the urinary bladder following cyclophosphamide therapy: evidence for monoclonal origin and chromosome 9p allelic loss [Mukhopadhyay] e8 (Ja)
- Cardiac Output, High**
- Pathologic quiz case: a 27-week female fetus with massive macrocephaly and generalized anasarca: congenital immature intracranial teratoma with skull rupture and high output cardiac failure [Bhattacharya] 102 (Ja)
- Cardiac Tamponade**
- Aortic dissection [Xie] 599 (My)
- Pathologic quiz case: a patient with Down syndrome presenting with "idiopathic" pericarditis: primary pericardial malignant mesothelioma [Sharaf El-Dean] e107 (Au)
- Cardiomyopathy see Myocardial Diseases**
- Cardiovascular Diseases**
- Comorbidity in dementia: an autopsy study [Fu] 32 (Ja)
- Hyperhomocysteinemia measured by immunoassay: a valid measure of coronary artery atherosclerosis [Staufenberg] 1263 (No)
- Carney Syndrome**
- Fibrolamellar hepatocellular carcinoma occurring 5 years after hepatocellular adenoma in a 14-year-old girl: a case report with comparative genomic hybridization analysis [Terracciano] 222 (Fe)
- Cartilage**
- Pathologic quiz case: soft tissue calcifications of the shoulder in a 31-year-old woman: synovial chondromatosis [Lorusso] 1455 (De)
- Caspase**
- Expression of cysteine protease protein 32 in prostatic adenocarcinoma correlates with tumor grade [Anwar] 649 (Je)

Cast Nephropathy see Kidney Diseases**Catecholamine Disease see Giant Lymph Node Hyperplasia****Catecholamines**

Pigmented "black" pheochromocytoma of the adrenal gland: a case report and review of the literature [Bellezza] e125 (Oc)

Cathartics

Melanosis coli involving pericolic lymph nodes associated with the herbal laxative Swiss Kriss: a rare and incidental finding in a patient with colonic adenocarcinoma [Ewing] 565 (My)

Catheterization, Central Venous

Pathologic quiz case: repeated positive ethylene glycol levels by gas chromatography: central venous line contamination of blood samples by propylene glycol from intravenous lorazepam injections [Hilliard] e79 (Je)

Cause of Death

Diagnostic and prognostic value of cardiac troponin I assays in patients admitted with symptoms suggestive of acute coronary syndrome [Apple] 430 (Ap)

CD3 Deficiency see Receptor-CD3 Complex, Antigen, T-Cell**Ceftriaxone**

A case of acute hemolysis after ceftriaxone: immune complex mechanism demonstrated by flow cytometry [Kakaiya] 905 (Au)

Cell Differentiation

Sebaceous differentiation in salivary glands [Mariappan] 245 (Fe)

Cell Nucleus

Aberrant nuclear projections of neutrophils in trisomy 13 [Salama] 243 (Fe)

Abstracts from the College of American Pathologists 2003 Annual Meeting (CAP '03), 139 (Fe)

Cytologic features of squamous cell carcinoma in ThinPrep slides: evaluation of cases that performed poorly versus those that performed well in the College of American Pathologists Interlaboratory Comparison Program in Cervicovaginal Cytology [Renshaw] 403 (Ap)

Malignant melanoma with a rhabdoid phenotype: histologic, immunohistochemical, and ultrastructural study of a case and review of the literature [Abbott] 686 (Je)

Cell Proliferation

Transforming growth factor α and epidermal growth factor receptor in reactive and malignant mesothelial proliferations [Cai] 68 (Ja)

Cell Transformation, Neoplastic

Abstracts from the College of American Pathologists 2003 Annual Meeting (CAP '03), 139 (Fe)

Basaloid squamous cell carcinoma of the esophagus with or without adenoid cystic features [Li] 1124 (Oc)

Chondroid syringoma: cytokeratin 20 immunolocalization of Merkel cells and reappraisal of apocrine folliculo-sebaceous differentiation [Salama] 986 (Se)

Follicular lymphoma with a Burkitt translocation—predictor of an aggressive clinical course: a case report and review of the literature [Voorhees] 210 (Fe)

Immunohistochemical analysis of lung carcinomas with pure or partial bronchioloalveolar differentiation [Santopoulos] 406 (Ap)

Oncocytic biliary cholangiocarcinoma: a case report and review of the literature [Bardin] e25 (Fe)

Oncocytic transformation in pituitary adenomas: immunohistochemical analyses of 65 cases [Niveiro] 776 (Jy)

Paneth cell carcinoma of the ampulla of Vater [Mora] 908 (Au)

Pathologic quiz case: a 49-year-old woman with an adrenal mass: pancreatic tissue with nesidioblastosis, adrenocortical adenoma, and ovarian thecal metaplasia in the adrenal gland [Giorgadze] 1294 (No)

Pathologic quiz case: a 42-year-old man with right facial swelling and weakness: dedifferentiated acinic cell carcinoma of the parotid gland [Schultz] e52 (Mr)

Pathologic quiz case: infratentorial tumor in a middle-aged woman: oncocytic variant of choroid plexus papilloma [Buccoliero] 1448 (De)

Pathologic quiz case: a large recurrent thigh mass in a 79-year-old woman: inflammatory liposarcoma occurring as a component of a recurrent, well-differentiated, lipoma-like liposarcoma [Lovel] e21 (Ja)

Physaliphorous cells in chordoma [Gui] 1457 (De)

Primary adenocarcinoma of cutaneous vesicostomy 40 years later: a rare case [Yohannes] e58 (Ap)

Recurrent solitary fibrous tumor of the pleura with malignant transformation [Kanthan] 460 (Ap)

Spindle cell transformation of papillary carcinoma: an aggressive entity distinct from anaplastic thyroid carcinoma [Brandwein-Gensler] 87 (Ja)

Transforming growth factor α and epidermal growth factor receptor in reactive and malignant mesothelial proliferations [Cai] 68 (Ja)

Twin pregnancy with partial hydatidiform mole and co-existent fetus [Chu] 1305 (No)

Cellulose, Oxidized

Textiloma (gossypiboma) mimicking recurrent intracranial tumor [Ribalta] 749 (Jy)

Central Nervous System Diseases

Balanuthia mandrillaris meningoencephalitis in an immunocompetent patient: an unusual clinical course and a favorable outcome [Jung] 466 (Ap)

Comorbidity in dementia: an autopsy study [Fu] 32 (Ja)

Evidence for involvement of transforming growth factor β 1 signaling pathway in activation of JC virus in human immunodeficiency virus 1-associated progressive multifocal leukoencephalopathy [Enam] 282 (Mr)

Central Nervous System Infections

Pathologic quiz case: progressive fatal encephalopathy in an immunosuppressed patient with a history of discoid lupus erythematosus: subacute granulomatous meningoencephalitis (*Acanthamoeba culbertsoni*) [Ushuplich] e109 (Se)

Spinal cord neuropathology in human West Nile virus infection (letter) [Arya] (reply) [Fratkin] 1210 (No)

Central Nervous System Neoplasms

Epidermal growth factor receptor status in breast cancer metastases to the central nervous system: comparison with HER-2/*neu* status [Grupka] 974 (Se)

Microdissection genotyping of mixed glial and primitive neuroectodermal central nervous system neoplasm [Mohan] 1161 (Oc)

Pathologic quiz case: a 50-year-old man with altered mental status and bilateral deep white matter lesions: primary central nervous system B-cell lymphoma [Gupta] 595 (My)

Pathologic quiz case: a 52-year-old woman with a pleural mass: metastatic hemangiopericytoma [Janji] 1061 (Se)

Pathologic quiz case: progressive headaches in a 50-year-old woman: chordoid meningioma [Green] e115 (Se)

Primary anaplastic lymphoma kinase-negative anaplastic large cell lymphoma of the brain in a patient with acquired immunodeficiency syndrome [Rowse] 324 (Mr)

Central Venous Line see Catheterization, Central Venous**Centralized Hospital Services**

Comparative analytical costs of central laboratory glucose and bedside glucose testing: a College of American Pathologists Q-Probes study [Howanitz] 739 (Jy)

Cerebellum

Secondary leptomeningeal sarcomatosis [Grier] 1303 (No)

Cerebral Cortex

Pathologic quiz case: a newborn with seizures: cortical dysplasia (malformation of cortical development) [Spencer] e91 (Jy)

Cerebral Infarction

Myocardial and cerebral infarction due to nonbacterial thrombotic endocarditis as an initial presentation of pancreatic adenocarcinoma [Chen] 1307 (No)

Cervical Cancer Screening see Vaginal Smears**Cervical Intraepithelial Neoplasia**

Abstracts from the College of American Pathologists 2003 Annual Meeting (CAP '03), 139 (Fe)

Can human papillomavirus DNA testing substitute for cytology in the detection of high-grade cervical lesions? [Lee] 298 (Mr)

Combining human papillomavirus testing or cervicography with cytology to detect cervical neoplasia [Howard] 1257 (No)

Detection of adenocarcinoma in situ of the cervix in Papicolaou tests: comparison of diagnostic accuracy with other high-grade lesions [Renshaw] 153 (Fe)

Cervical Tragus

Pathologic quiz case: an anterior neck mass in a 5-month-old female infant: wattle (congenital cervical tragus) [Rund] 1453 (De)

Cervicography

Combining human papillomavirus testing or cervicography with cytology to detect cervical neoplasia [Howard] 1257 (No)

Cervix Diseases

Quality indices in a cervicovaginal cytology service: before and after laboratory accreditation [Tan] 303 (Mr)

Cervix Dysplasia

Cytologic features of high-grade squamous intraepithelial lesion in ThinPrep Papicolaou test slides: comparison of cases that performed poorly with those that performed well in the College of American Pathologists Interlaboratory Comparison Program in Cervicovaginal Cytology [Renshaw] 746 (Jy)

Cervix Neoplasms

Can human papillomavirus DNA testing substitute for cytology in the detection of high-grade cervical lesions? [Lee] 298 (Mr)

Comparison of human papillomavirus DNA prevalence in atypical squamous cells of undetermined signifi-

cance subcategories as defined by the original Bethesda 1991 and the new Bethesda 2001 Systems [Pirog] 527 (My)

Comparison of performance of conventional and ThinPrep gynecologic preparations in the College of American Pathologists Gynecologic Cytology Program [Renshaw] 17 (Ja)

Cytologic features of squamous cell carcinoma in ThinPrep slides: evaluation of cases that performed poorly versus those that performed well in the College of American Pathologists Interlaboratory Comparison Program in Cervicovaginal Cytology [Renshaw] 403 (Ap)

Delivering human papillomavirus testing to the public (letter) [Dennstedt] (reply) [Davey] 10 (Ja)

Detection of adenocarcinoma in situ of the cervix in Papicolaou tests: comparison of diagnostic accuracy with other high-grade lesions [Renshaw] 153 (Fe)

Human papillomavirus typing of rare cervical carcinomas [Matthews-Greer] 553 (My)

Pathologic quiz case: an asymptomatic 79-year-old woman with an abnormal Papicolaou test: adenoid basal carcinoma of the cervix [Khouri] 485 (Ap)

Pathologic quiz case: an incidentally detected mass of the uterine cervix: mesonephric adenocarcinoma of the cervix [Angeles] 1179 (Oc)

Quality indices in a cervicovaginal cytology service: before and after laboratory accreditation [Tan] 303 (Mr)

Cervix Uteri

Epidermoid metaplasia of the cervix [Ionescu] 1052 (Se)

Pathologic quiz case: an 83-year-old woman with a uterine cervical mass: adenoid cystic carcinoma [Dimashkieh] 817 (Jy)

Pathologic quiz case: an incidentally detected mass of the uterine cervix: mesonephric adenocarcinoma of the cervix [Angeles] 1179 (Oc)

Polarizable placental particles: a case study and brief review of the literature [Jarzemowski] 675 (Je)

Chédiak-Higashi Syndrome

Current applications of flow cytometry in the diagnosis of primary immunodeficiency diseases [Illoh] 23 (Ja)

Cheek

Pathologic quiz case: a newborn with a midline buccal mucosa mass: congenital gingival granular cell tumor (congenital epulis) [Godra] 585 (My)

Chemically Induced Diseases

Carcinoma of the urinary bladder following cyclophosphamide therapy: evidence for monoclonal origin and chromosome 9p allelic loss [Mukhopadhyay] e8 (Ja)

Pathologic quiz case: a 30-year-old man with a white plaque in the oral mucosa: smokeless tobacco keratosis [Sheth] e17 (Ja)

Chemistry, Analytical

Steroid profiles using liquid chromatography-tandem mass spectrometry with atmospheric pressure photoionization source [Guo] 469 (Ap)

Chest Pain

Diagnostic and prognostic value of cardiac troponin I assays in patients admitted with symptoms suggestive of acute coronary syndrome [Apple] 430 (Ap)

A flower-like parasite with bladed petals [Daneshbod] 939 (Au)

Pathologic quiz case: a 53-year-old man with chest pain and cough: malignant (diffuse) pleural mesothelioma, biphasic variant, with heterologous differentiation [Schneider] 107 (Ja)

Pathologic quiz case: a patient with Down syndrome presenting with "idiopathic" pericarditis: primary pericardial malignant mesothelioma [Sharaf El-Dean] e107 (Au)

Child

Aberrant nuclear projections of neutrophils in trisomy 13 [Salama] 243 (Fe)

Abstracts from the College of American Pathologists 2003 Annual Meeting (CAP '03), 139 (Fe)

Advancing Practice, Instruction, and Innovation Through Informatics (APIII 2003): scientific session and e-poster abstracts, 1089 (Oc)

Clear cell papulosis of the skin: a case report from Singapore [Kumarasinghe] e149 (No)

Clostridium botulinum and the clinical laboratorian: a detailed review of botulinism, including biological warfare ramifications of botulinum toxin [Caya] 653 (Je)

Corrections of clinical chemistry test results in a laboratory information system [Wang] 890 (Au)

Diagnosing allergic diseases in children: practical recommendations for consulting pathologists [Homburger] 1028 (Se)

Fibrolamellar hepatocellular carcinoma occurring 5 years after hepatocellular adenoma in a 14-year-old girl: a case report with comparative genomic hybridization analysis [Terracciano] 222 (Fe)

- Helicobacter heilmannii* infection in a child [Wooten] 1461 (De)
- How the pediatric autopsy yields valuable information in a vertically integrated health care system [Newton] 1239 (No)
- Intestinal spiriochetosis [Nodit] 823 (Jy)
- Intrascrotal lipoblastoma with a complex karyotype: a case report and review of the literature [Somers] 797 (Jy)
- Multifocal thymic cyst associated with mature mediastinal teratoma: a report of 2 cases [Rakheja] 227 (Fe)
- Pancreatic heterotopia in the gastric antrum [Chandan] 111 (Ja)
- Pathologic quiz case: an abdominopelvic mass in a 13-year-old adolescent girl: predominantly mature cystic teratoma with minimal immature neuroglia and gliomatosis peritonei [Stephany] 705 (Je)
- Pathologic quiz case: a anterior neck mass in a 5-month-old female infant: wattle (congenital cervical tragus) [Rund] 1453 (De)
- Pathologic quiz case: edema and diarrhea in a 2-year-old boy: Menetrier disease with cytomegalovirus gastritis [Black] e117 (Se)
- Pathologic quiz case: an 11-year-old boy with acute-onset right lower abdominal pain: typhilitis (neutropenic enterocolitis) [Wang] 239 (Fe)
- Pathologic quiz case: a 15-year-old girl with an intracranial midline mass: pineoblastoma, World Health Organization Grade IV [Song] 707 (Je)
- Pathologic quiz case: headache in an 8-year-old child: primary amebic meningoencephalitis due to *Naegleria fowleri* [Stephany] e33 (Fe)
- Pathologic quiz case: hepatosplenomegaly in an infant with hypotonia and coarse facial features: gangliosidosis type 1 [Bu-Ghani] 1297 (No)
- Pathologic quiz case: multiple congenital birth defects in a full-term infant: urorectal septum malformation sequence [He] e73 (Ap)
- Pathologic quiz case: a newborn with a midline buccal mucosa mass: congenital gingival granular cell tumor (congenital epulis) [Godra] 585 (My)
- Pathologic quiz case: a newborn with seizures: cortical dysplasia (malformation of cortical development) [Spencer] e91 (Jy)
- Pathologic quiz case: renal mass in a 3-week-old infant: congenital mesoblastic nephroma, mixed type [Munivenkatappa] 929 (Au)
- Pathologic quiz case: a 17-year-old renal transplant patient with persistent fever, pancytopenia, and axillary lymphadenopathy: bacillary angiomatosis of the lymph node in the renal transplant recipient [Juskevicius] e12 (Ja)
- Pathologic quiz case: a slow and awkward child: central core disease [Giametro] 481 (Ap)
- Pathologic quiz case: a 13-year-old boy with a 2-day history of fever, vomiting, and mental status changes: *Chromobacterium violaceum* bacteremia [Grier] e131 (Oc)
- Pathologic quiz case: a 3-year-old girl with dysuria and urinary incontinence: primary embryonal rhabdomyosarcoma of the urinary bladder [Parwani] 357 (Mr)
- Pathologic quiz case: a 2-month-old male infant with a large hydrocele: epidermoid cyst of the scrotum [Parwani] e135 (Oc)
- Secondary leptomenigeal sarcomatosis [Grier] 1303 (No)
- Stability of JC virus coding sequences in a case of progressive multifocal leukoencephalopathy in which the viral control region was rearranged markedly [Zheng] 275 (Mr)
- Chlamydia pneumoniae**
Fatal hemorrhagic pneumonia concomitant with *Chlamydia pneumoniae* and parainfluenza virus 4 infection [Rubinas] 640 (Je)
- Cholesterol**
Lipoprotein lipase gene polymorphism and lipid profile in coronary artery disease [Duman] 869 (Au)
- Chondroblastoma**
Pathologic quiz case: an 18-year-old man with pain and swelling of the left hand: chondroblastoma [Baisre] e120 (Se)
- Chondroid Syringoma** see **Adenoma, Pleomorphic**
- Chondromatosis**
Pathologic quiz case: soft tissue calcifications of the shoulder in a 31-year-old woman: synovial chondromatosis [Lorusso] 1455 (De)
- Chondrosarcoma**
Pathologic quiz case: a right adnexal mass in a postmenopausal patient: malignant mixed müllerian tumor with heterologous elements arising in the fallopian tube [Humble] e161 (No)
- Chordoma**
Physaliphorous cells in chordoma [Gui] 1457 (De)
- Choriocarcinoma**
Pathologic quiz case: a 26-year-old woman with profuse vaginal bleeding: metastatic placental site trophoblastic tumor [Karabakhtian] e50 (Mr)
- Chorionic Gonadotropin**
Abstracts from the College of American Pathologists 2003 Annual Meeting (CAP '03), 139 (Fe)
Evaluation of a dimeric inhibin-A assay for assessing fetal Down syndrome: establishment, comparison, and monitoring of median concentrations for normal pregnancies [Erickson] 415 (Ap)
- Chorionic Gonadotropin, β Subunit, Human**
A hydatidiform mole in a postmenopausal woman: a case report and review of the literature [Garcia] 1039 (Se)
Twin pregnancy with partial hydatidiform mole and co-existent fetus [Chu] 1305 (No)
- Choristoma**
Pancreatic heterotopia in the gastric antrum [Chandan] 111 (Ja)
Pathologic quiz case: a newborn with seizures: cortical dysplasia (malformation of cortical development) [Spencer] e91 (Jy)
Prostate gland-like epithelium in the epididymis: a case report and review of the literature [Lee] e60 (Ap)
Sebaceous differentiation in salivary glands [Mariappan] 245 (Fe)
- Chromatography, Gas**
Pathologic quiz case: repeated positive ethylene glycol levels by gas chromatography: central venous line contamination of blood samples by propylene glycol from intravenous lorazepam injections [Hilliard] e79 (Je)
- Chromatography, High Pressure Liquid**
Hemoglobin C and hemoglobin O-Arab variants can be diagnosed using the Bio-Rad Variant II high-performance liquid chromatography system without further confirmatory tests [Joutovsky] 435 (Ap)
Immunosuppressants testing in transplantation (letter) [Papadela] 1328 (De)
- Chromatography, Liquid**
Steroid profiles using liquid chromatography-tandem mass spectrometry with atmospheric pressure photo-ionization source [Guo] 469 (Ap)
- Chromobacterium violaceum**
Pathologic quiz case: a 13-year-old boy with a 2-day history of fever, vomiting, and mental status changes: *Chromobacterium violaceum* bacteremia [Grier] e131 (Oc)
- Chromogenic In Situ Hybridization** see **In Situ Hybridization**
- Chromogranins**
Primary small cell neuroendocrine carcinoma of the vagina: a clinicopathologic study [Bing] 857 (Au)
- Chromosome Aberrations**
Abstracts from the College of American Pathologists 2003 Annual Meeting (CAP '03), 139 (Fe)
- Chromosome Deletion**
Biphasic acute myeloid leukemia with near-tetraploidy and immunophenotypic transformation [Imkie] 448 (Ap)
- Chromosomes, Human**
Abstracts from the College of American Pathologists 2003 Annual Meeting (CAP '03), 139 (Fe)
- Chromosomes, Human, Pair 8**
Distinct secreted Frizzled receptor protein 1 staining pattern in patients with hyperplastic polyposis coli syndrome [Oberschmid] 967 (Se)
Intrascrotal lipoblastoma with a complex karyotype: a case report and review of the literature [Somers] 797 (Jy)
- Chromosomes, Human, Pair 5**
Loss of heterozygosity patterns of sclerosing hemangioma of the lung and bronchioloalveolar carcinoma indicate a similar molecular pathogenesis [Dacic] 880 (Au)
- Chromosomes, Human, Pair 9**
Carcinomas of the urinary bladder following cyclophosphamide therapy: evidence for monoclonal origin and chromosome 9p allelic loss [Mukhopadhyay] e8 (Ja)
- Chromosomes, Human, Pair 19**
Pathologic quiz case: a slow and awkward child: central core disease [Giametro] 481 (Ap)
- Chromosomes, Human, Pair 7**
Biphasic acute myeloid leukemia with near-tetraploidy and immunophenotypic transformation [Imkie] 448 (Ap)
- Chromosomes, Human, Pair 17**
Comparative assays for the *HER-2/neu* oncogene status in breast cancer [Vera-Roman] 627 (Je)
- Chromosomes, Human, Pair 10**
Role of *PTEN* in gastrointestinal stromal tumor progression [Ricci] 421 (Ap)
- Chromosomes, Human, Pair 13**
Aberrant nuclear projections of neutrophils in trisomy 13 [Salama] 243 (Fe)
- Chromosomes, Human, Pair 12**
Intrascrotal lipoblastoma with a complex karyotype: a case report and review of the literature [Somers] 797 (Jy)
- Chromosomes, Human, Pair 2**
Biphasic acute myeloid leukemia with near-tetraploidy and immunophenotypic transformation [Imkie] 448 (Ap)
- Chromosomes, Human, X**
Allelic loss of the active X chromosome during bladder carcinogenesis [Cheng] 187 (Fe)
- Chylomicrons**
Lipoprotein lipase gene polymorphism and lipid profile in coronary artery disease [Duman] 869 (Au)
- Ciprofloxacin**
Pathologic quiz case: an 18-year-old man presenting with sepsis following a recent pharyngeal infection: Lemierre syndrome [Plymyer] 813 (Jy)
Pathologic quiz case: testicular pain and scrotal swelling in a 25-year-old man: large cell calcifying Sertoli cell tumor of the testis [Evans] e137 (Oc)
- Clarithromycin**
Balamuthia mandrillaris meningoencephalitis in an immunocompetent patient: an unusual clinical course and a favorable outcome [Jung] 466 (Ap)
- Classification**
Advancing Practice, Instruction, and Innovation Through Informatics (APIII 2003): scientific session and e-poster abstracts, 1089 (Oc)
A clinicopathologic evaluation of follicular lymphoma grade 3A versus grade 3B reveals no survival differences [Hsi] 863 (Au)
Comparison of human papillomavirus DNA prevalence in atypical squamous cells of undetermined significance subcategories as defined by the original Bethesda 1991 and the new Bethesda 2001 Systems [Pirog] 527 (My)
Differential trends in the intestinal and diffuse types of gastric carcinoma in the United States, 1973-2000: increase in the signet ring cell type [Henson] 765 (Jy)
Immunohistochemical analysis of lung carcinomas with pure or partial bronchioloalveolar differentiation [Santopoulos] 406 (Ap)
Pneumocystis carinii infection: update and review [Wazir] 1023 (Se)
Salivary adenocarcinoma, not otherwise specified: a collection of orphans [Li] 1385 (De)
- Clavicle**
Abstracts from the College of American Pathologists 2003 Annual Meeting (CAP '03), 139 (Fe)
Pathologic quiz case: supraclavicular subcutaneous nodule in a 24-year-old woman: myxoid plexiform fibrohistiocytic tumor without multinucleated giant cells [Chen] 931 (Au)
- Clindamycin**
Pneumocystis carinii infection: update and review [Wazir] 1023 (Se)
- Clinical Chemistry Tests**
Corrections of clinical chemistry test results in a laboratory information system [Wang] 890 (Au)
- Clinical Laboratory Information Systems**
Advancing Practice, Instruction, and Innovation Through Informatics (APIII 2003): scientific session and e-poster abstracts, 1089 (Oc)
Corrections of clinical chemistry test results in a laboratory information system [Wang] 890 (Au)
Pathology informatics questions and answers from the University of Pittsburgh pathology residency informatics rotation [Harrison] 71 (Ja)
What is a picture worth? digital imaging applications in autopsy reports [Pritt] 1247 (No)
- Clinical Laboratory Techniques** see **Laboratory Techniques and Procedures**
- Clinical Protocols**
Microdissection techniques for molecular testing in surgical pathology [Hunt] 1372 (De)
- Clinical Reasoning** see **Artificial Intelligence**
- Clinical Trials**
Advancing Practice, Instruction, and Innovation Through Informatics (APIII 2003): scientific session and e-poster abstracts, 1089 (Oc)
- Clostridium botulinum**
Clostridium botulinum and the clinical laboratorian: a detailed review of botulism, including biological warfare ramifications of botulinum toxin [Caya] 653 (Je)
- Clostridium difficile**
Abstracts from the College of American Pathologists 2003 Annual Meeting (CAP '03), 139 (Fe)
- Coagulation Abnormalities** see **Blood Coagulation Disorders**
- Coagulation Tests** see **Blood Coagulation Tests**
- Coagulopathy** see **Blood Coagulation Disorders**
- Cocaine-Related Disorders**
Solitary fibrous tumor of nasal cavity in patient with long-standing history of cocaine inhalation [Chauhan] e1 (Ja)

Collagen

Collagenous gastritis: an unusual association with profound weight loss [Wang] 229 (Fe)

College of American Pathologists

Bacterial contamination of platelet units: a case report and literature survey with review of upcoming American Association of Blood Banks requirements [Burns] 279 (Mr)

College of American Pathologists Autopsy Committee

The challenge of using autopsy information for quality improvement (letter) [Horowitz] (reply) [Bovel] 850 (Au)

College of American Pathologists Cancer Templates

Advancing Practice, Instruction, and Innovation Through Informatics (APIII 2003): scientific session and e-poster abstracts, 1089 (Oc)

College of American Pathologists Gynecologic Cytology Program

Comparison of performance of conventional and ThinPrep gynecologic preparations in the College of American Pathologists Gynecologic Cytology Program [Renshaw] 17 (Ja)

College of American Pathologists Interlaboratory Comparison Program in Cervicovaginal Cytology

Bethesda 2001 implementation and reporting rates: 2003 practices of participants in the College of American Pathologists Interlaboratory Comparison Program in Cervicovaginal Cytology [Davey] 1224 (No)

Cytologic features of high-grade squamous intraepithelial lesion in ThinPrep Papanicolaou test slides: comparison of cases that performed poorly with those that performed well in the College of American Pathologists Interlaboratory Comparison Program in Cervicovaginal Cytology [Renshaw] 746 (Jy)

Cytologic features of squamous cell carcinoma in ThinPrep slides: evaluation of cases that performed poorly versus those that performed well in the College of American Pathologists Interlaboratory Comparison Program in Cervicovaginal Cytology [Renshaw] 403 (Ap)

Detection of adenocarcinoma in situ of the cervix in Papanicolaou tests: comparison of diagnostic accuracy with other high-grade lesions [Renshaw] 153 (Fe)

Quality indices in a cervicovaginal cytology service before and after laboratory accreditation [Tan] 303 (Mr)

College of American Pathologists Interlaboratory Comparison Program in Nongynecologic Cytology

Fluids—good and bad actors: observations from the College of American Pathologists Interlaboratory Comparison Program in Nongynecologic Cytology [Moriarty] 513 (My)

College of American Pathologists Laboratory Accreditation Program

College of American Pathologists Laboratory Accreditation checklist item TRM.44955: phase I requirement on bacterial detection in platelets [Shulman] 958 (Se)

COLLEGE OF AMERICAN PATHOLOGISTS LABORATORY IMPROVEMENT PROGRAMS

Bethesda 2001 implementation and reporting rates: 2003 practices of participants in the College of American Pathologists Interlaboratory Comparison Program in Cervicovaginal Cytology [Davey] 1224 (No)

Bilirubin proficiency testing using specimens containing unconjugated bilirubin and human serum: results of a College of American Pathologists Study [Lo] 1219 (No)

Biochemical markers of myocardial injury test turnaround time: a College of American Pathologists Q-Probes study of 7020 troponin and 4368 creatine kinase-MB determinations in 159 institutions [Novis] 158 (Fe)

Comparative analytical costs of central laboratory glucose and bedside glucose testing: a College of American Pathologists Q-Probes study [Howanitz] 739 (Jy)

Comparison of performance of conventional and ThinPrep gynecologic preparations in the College of American Pathologists Gynecologic Cytology Program [Renshaw] 17 (Ja)

Continuous monitoring of stat and routine outlier turnaround times: two College of American Pathologists Q-Tracks monitors in 291 hospitals [Novis] 621 (Je)

Cytologic features of high-grade squamous intraepithelial lesion in ThinPrep Papanicolaou test slides: comparison of cases that performed poorly with those that performed well in the College of American Pathologists Interlaboratory Comparison Program in Cervicovaginal Cytology [Renshaw] 746 (Jy)

Cytologic features of squamous cell carcinoma in ThinPrep slides: evaluation of cases that performed poorly versus those that performed well in the College of American Pathologists Interlaboratory Comparison Program in Cervicovaginal Cytology [Renshaw] 403 (Ap)

Detection of adenocarcinoma in situ of the cervix in Pa-

pnicolaou tests: comparison of diagnostic accuracy with other high-grade lesions [Renshaw] 153 (Fe)

Fluids—good and bad actors: observations from the College of American Pathologists Interlaboratory Comparison Program in Nongynecologic Cytology [Moriarty] 513 (My)

Heparin monitoring and patient safety: a College of American Pathologists Q-Probes study of 3431 patients at 140 institutions [Valenstein] 397 (Ap)

College of American Pathologists Outcomes Committee

The challenge of using autopsy information for quality improvement (letter) [Horowitz] (reply) [Bovel] 850 (Au)

College of American Pathologists Transfusion Medicine Resource Committee

College of American Pathologists Laboratory Accreditation checklist item TRM.44955: phase I requirement on bacterial detection in platelets [Shulman] 958 (Se)

Collision Metastases see Lymphatic Metastasis; Neoplasm Metastasis

Collision Tumor see Neoplasms, Multiple Primary

Colon, Sigmoid

Diffuse giant inflammatory polyposis: a challenging clinicopathologic diagnosis [Sheikholeslami] 1286 (No)

Pathologic quiz case: a 54-year-old liver transplant recipient with diffuse thickening of the sigmoid colon: malakoplakia of the colon associated with liver transplant [Weinrach] e133 (Oc)

Colonic Diseases

Pathologic quiz case: a 59-year-old man with a 2-week history of right iliac fossa pain: nonsteroidal anti-inflammatory drug-induced colonic ulcer [Lipper] e39 (Fe)

Colonic Neoplasms

Abstracts from the College of American Pathologists 2003 Annual Meeting (CAP '03), 139 (Fe)

Collision metastasis of prostatic and colonic adenocarcinoma: report of 2 cases [Wade] 318 (Mr)

Malignant gastrointestinal leiomyosarcoma and gastrointestinal stromal tumor with prominent osteoclast-like giant cells [Insubato] 440 (Ap)

Melanosis coli involving pericolonic lymph nodes associated with the herbal laxative Swiss Kriss: a rare and incidental finding in a patient with colonic adenocarcinoma [Ewing] 565 (My)

Colonic Polyps

Polypoid nodular lymphoid hyperplasia of the terminal ileum, 1186 (Oc); correction [Mukhopadhyay] 1322 (De)

Colorectal Neoplasms

Abstracts from the College of American Pathologists 2003 Annual Meeting (CAP '03), 139 (Fe)

Distinct secreted Frizzled receptor protein 1 staining pattern in patients with hyperplastic polyposis coli syndrome [Oberschmidt] 967 (Se)

Combinatorial Genetic Technology

Combinatorial genetic technology for the development of new anti-infectives [Laios] 1351 (De)

Common Bile Duct Neoplasms

Paneth cell carcinoma of the ampulla of Vater [Mora] 908 (Au)

Communicable Diseases

Fatal hemorrhagic pneumonia concomitant with *Chlamydia pneumoniae* and parainfluenza virus 4 infection [Rubinas] 640 (Je)

The omics era and its impact [Kiechle] 1337 (De)

Severe acute respiratory syndrome: overview with an emphasis on the Toronto experience [Mazzulli] 1346 (De)

Comorbidity

Comorbidity in dementia: an autopsy study [Fu] 32 (Ja)

Comparative Genomic Hybridization see Cytogenetic Analysis

Computational Biology

Advancing Practice, Instruction, and Innovation Through Informatics (APIII 2003): scientific session and e-poster abstracts, 1089 (Oc)

Computer Communication Networks

Pathology informatics questions and answers from the University of Pittsburgh pathology residency informatics rotation [Harrison] 71 (Ja)

Computer Literacy

Pathology informatics questions and answers from the University of Pittsburgh pathology residency informatics rotation [Harrison] 71 (Ja)

Computer Security

Advancing Practice, Instruction, and Innovation Through Informatics (APIII 2003): scientific session and e-poster abstracts, 1089 (Oc)

Modern data security [Klein] 338 (Mr)

Modern data security (letter) [Ulirsch] (reply) [Klein] 1080 (Oc)

Pathology informatics questions and answers from the

University of Pittsburgh pathology residency informatics rotation [Harrison] 71 (Ja)

Zero-Check: a zero-knowledge protocol for reconciling patient identities across institutions [Berman] 344 (Mr)

Zero-Check: a zero-knowledge protocol for reconciling patient identities across institutions (letter) [Apfelroth] (reply) [Berman] 954 (Se)

Computer Simulation

Advancing Practice, Instruction, and Innovation Through Informatics (APIII 2003): scientific session and e-poster abstracts, 1089 (Oc)

Computer Software see Software

Computer-Based Testing

Advancing Practice, Instruction, and Innovation Through Informatics (APIII 2003): scientific session and e-poster abstracts, 1089 (Oc)

Virtual microscopy as a tool for proficiency testing in cytopathology (letter) [Grant] (reply) [Marchevsky] 1327 (De)

Computers

Pathology informatics questions and answers from the University of Pittsburgh pathology residency informatics rotation [Harrison] 71 (Ja)

Confidentiality

Abstracts from the College of American Pathologists 2003 Annual Meeting (CAP '03), 139 (Fe)

Advancing Practice, Instruction, and Innovation Through Informatics (APIII 2003): scientific session and e-poster abstracts, 1089 (Oc)

Modern data security [Klein] 338 (Mr)

Modern data security (letter) [Ulirsch] (reply) [Klein] 1080 (Oc)

Zero-Check: a zero-knowledge protocol for reconciling patient identities across institutions [Berman] 344 (Mr)

Zero-Check: a zero-knowledge protocol for reconciling patient identities across institutions (letter) [Apfelroth] (reply) [Berman] 954 (Se)

Conflict of Interest

Financial conflict of interest? (letter) [Rabinovitch] (reply) [Chejfec] 1328 (De)

Confusion

Pathologic quiz case: a 50-year-old man with altered mental status and bilateral deep white matter lesions: primary central nervous system B-cell lymphoma [Gupta] 595 (My)

Pathologic quiz case: progressive fatal encephalopathy in an immunosuppressed patient with a history of discoid lupus erythematosus: subacute granulomatous meningoencephalitis (*Acanthamoeba culbertsoni*) [Uschuplich] e109 (Se)

Congenital, Hereditary, and Neonatal Diseases and Abnormalities

Abstracts from the College of American Pathologists 2003 Annual Meeting (CAP '03), 139 (Fe)

Carcinoid tumor arising in a tailgut cyst of the anorectal junction with distant metastasis: a case report and review of the literature [Song] 578 (My)

Coexistent hereditary hemochromatosis and α_1 -antitrypsin deficiency [Shen] 491 (Ap)

47,XXY with associated bilateral renal agenesis [Barroeta] e44 (Mr)

Inlet patch: prevalence, histologic type, and association with esophagitis, Barrett esophagus, and antritis [Tang] 444 (Ap)

Pathologic quiz case: an anterior neck mass in a 5-month-old female infant: wattle (congenital cervical tragus) [Rund] 1453 (De)

Pathologic quiz case: fine-needle aspiration of lytic bone lesions in a 63-year-old woman: metastatic basal cell carcinoma to the bone in Gorlin syndrome [Adem] 819 (Jy)

Pathologic quiz case: hepatosplenomegaly in an infant with hypotonia and coarse facial features: gangliosidosis type 1 [Bu-Ghanim] 1297 (No)

Pathologic quiz case: multiple congenital birth defects in a full-term infant: urorectal septum malformation sequence [He] e73 (Ap)

Pathologic quiz case: a newborn with a midline buccal mucosa mass: congenital gingival granular cell tumor (congenital epulis) [Godra] 585 (My)

Pathologic quiz case: renal mass in a 3-week-old infant: congenital mesoblastic nephroma, mixed type [Muni-venkatappa] 929 (Au)

Pathologic quiz case: a slow and awkward child: central core disease [Giampetro] 481 (Ap)

Pathologic quiz case: a 27-week female fetus with massive macrocephaly and generalized anasarca: congenital immature intracranial teratoma with skull rupture and high output cardiac failure [Bhattacharya] 102 (Ja)

Primary adenocarcinoma of cutaneous vesicostomy 40 years later: a rare case [Yohannes] e58 (Ap)

Sinusoidal dilatation and congestion in liver biopsy: is it always due to venous outflow impairment? [Kakar] 901 (Au)

Three cases of massive fetomaternal hemorrhage presenting without clinical suspicion [Pourbabak] 463 (Ap)

Connective Tissue

Myocardial involvement in Erdheim-Chester disease [Loeffler] 682 (Je)

Consultation see Referral and Consultation

Consumer Satisfaction

Continuous monitoring of stat and routine outlier turnaround times: two College of American Pathologists Q-Tracks monitors in 291 hospitals [Novis] 621 (Je)

Continental Population Groups

Differential trends in the intestinal and diffuse types of gastric carcinoma in the United States, 1973-2000: increase in the signet ring cell type [Henson] 765 (Jy)

Coronary Angiography

Hyperhomocysteinemia measured by immunoassay: a valid measure of coronary artery atherosclerosis [Staufferberg] 1263 (No)

Coronary Arteriosclerosis

Lipoprotein lipase gene polymorphism and lipid profile in coronary artery disease [Duman] 869 (Au)
Myocardial and cerebral infarction due to nonbacterial thrombotic endocarditis as an initial presentation of pancreatic adenocarcinoma [Chen] 1307 (No)

Coronary Disease

Diagnostic and prognostic value of cardiac troponin I assays in patients admitted with symptoms suggestive of acute coronary syndrome [Apple] 430 (Ap)

Coronary Stenosis

Hyperhomocysteinemia measured by immunoassay: a valid measure of coronary artery atherosclerosis [Staufferberg] 1263 (No)

Coronavirus

Analysis of deaths during the severe acute respiratory syndrome (SARS) epidemic in Singapore: challenges in determining a SARS diagnosis [Chong] 195 (Fe)
Severe acute respiratory syndrome: overview with an emphasis on the Toronto experience [Mazzulli] 1346 (De)

CORRECTIONS

Le BH, Boyer PJ, Lewis JE, Kapadia SB: Granular cell tumor: immunohistochemical assessment of inhibin- α , protein gene product 9.5, S100 protein, CD68, and Ki-67 proliferative index with clinical correlation, 844 (Au)
Mukhopadhyay S, Harbol T, Floyd FD, Sidhu JS: Polypoid nodular lymphoid hyperplasia of the terminal ileum, 1322 (De)

Picken MM: Pathology of plasma cell dyscrasia: how much can we learn from autopsy studies? 1322 (De)

Corticosteroids see Adrenal Cortex Hormone

Cortisol see Hydrocortisone

Costs and Cost Analysis

Advancing Practice, Instruction, and Innovation Through Informatics (APIII 2003): scientific session and e-poster abstracts, 1089 (Oc)

Comparative analytical costs of central laboratory glucose and bedside glucose testing: a College of American Pathologists Q-Probes study [Howanitz] 739 (Jy)
Febrile nonhemolytic transfusion reactions: management by premedication and cost implications in adult patients [Ezidegwu] 991 (Se)

Co-Trimoxazole see Trimethoprim-Sulfamethoxazole Combination

Cough

Pathologic quiz case: a 53-year-old man with chest pain and cough: malignant (diffuse) pleural mesothelioma, biphasic variant, with heterologous differentiation [Schneider] 107 (Ja)

Pathologic quiz case: a patient with Down syndrome presenting with "idiopathic" pericarditis: primary pericardial malignant mesothelioma [Sharaf El-Dean] e107 (Au)

CPT see Current Procedural Terminology

Creatine Kinase

Biochemical markers of myocardial injury test turnaround time: a College of American Pathologists Q-Probes study of 7020 troponin and 4368 creatine kinase-MB determinations in 159 institutions [Novis] 158 (Fe)

Crohn Disease

Sinusoidal dilatation and congestion in liver biopsy: is it always due to venous outflow impairment? [Kakar] 901 (Au)

Cryptorchidism

Pathologic quiz case: a 2-month-old male infant with a large hydrocele: epidermoid cyst of the scrotum [Parwani] e135 (Oc)

Current Procedural Terminology

Pathology informatics questions and answers from the University of Pittsburgh pathology residency informatics rotation [Harrison] 71 (Ja)

Cyclins

Abstracts from the College of American Pathologists 2003 Annual Meeting (CAP '03), 139 (Fe)

Detection of tumor markers including carcinoembryonic antigen, APC, and cyclin D2 in fine-needle aspiration fluid of breast [Lee] 1251 (No)

Cyclooxygenase Inhibitors

Reflectance spectroscopy of clotting blood: a description of the time-dependent behavior [Greco] 173 (Fe)

Cyclophosphamide

Carcinoma of the urinary bladder following cyclophosphamide therapy: evidence for monoclonal origin and chromosome 9p allelic loss [Mukhopadhyay] e8 (Ja)

Polymavirus in a lung transplant patient [Janj] 1463 (De)

Cyclosporine

Adding pharmacogenetics to the clinical laboratory: narrow therapeutic index medications as a place to start [Bukaveckas] 1330 (De)

Immunosuppressants testing in transplantation (letter) [Papadea] 1328 (De)

CYP2C9

Effect of polymorphisms in the cytochrome P450 CYP2C9 gene on warfarin anticoagulation [Adcock] 1360 (De)
The -omics era and its impact [Kiechle] 1337 (De)

Cystadenocarcinoma

Oncoytic biliary cystadenocarcinoma: a case report and review of the literature [Bardin] e25 (Fe)

Cystadenoma

Pathologic quiz case: a multicystic mass of the pancreatic body in a 70-year-old man: serous microcystic adenoma of the pancreas [Chen] e83 (Je)

Cystadenoma, Mucinous

Pathologic quiz case: a 32-year-old Western-Indian woman with a history of chronic abdominal pain and a cystic mass of pancreas: mucinous cystic neoplasm, adenoma type [Papad] e54 (Mr)

Pathologic quiz case: a 22-year-old woman with a large right adnexal mass: poorly differentiated Sertoli-Leydig cell tumor of the right ovary with retiform differentiation and heterologous elements (mucinous components) [Ching] e93 (Jy)

Cysteine Endopeptidases

Expression of cysteine protease protein 32 in prostatic adenocarcinoma correlates with tumor grade [Anwar] 649 (Je)

Cystic Fibrosis

Current challenges in cystic fibrosis screening (letter) [Strom] (reply) [Lyon] 366 (Mr)

Cystic Fibrosis Transmembrane Conductance Regulator

Current challenges in cystic fibrosis screening (letter) [Strom] (reply) [Lyon] 366 (Mr)

Cystic Teratoma see Teratoma

Cystitis

Pathologic quiz case: bladder tumor in a 41-year-old man: cystitis glandularis of intestinal type with mucin extravasation [Mukhopadhyay] e89 (Jy)

Cystostomy

Primary adenocarcinoma of cutaneous vesicostomy 40 years later: a rare case [Yohannes] e58 (Ap)

Cysts

Carcinoid tumor arising in a tailgut cyst of the anorectal junction with distant metastasis: a case report and review of the literature [Song] 578 (My)

Cystic adrenal lymphangioma [Garica] 713 (Je)

Cystic nephroma: a histologic and immunohistochemical study of 10 cases [Mukhopadhyay] 1404 (De)

Pathologic quiz case: cystic tumor of the left eyebrow in a 42-year-old woman: benign cutaneous adnexal tumor with combined folliculosebaceous and eccrine differentiation [Iwenofu] 1181 (Oc)

Pathologic quiz case: an 87-year-old woman with a mass in the tail of the pancreas: pancreatic lymphangioma with "ovarian-like" stroma [Singh] e175 (De)

Pathologic quiz case: a multicystic mass of the pancreatic body in a 70-year-old man: serous microcystic adenoma of the pancreas [Chen] e83 (Je)

Pathologic quiz case: progressive fatal encephalopathy in an immunosuppressed patient with a history of discoid lupus erythematosus: subacute granulomatous meningoencephalitis (*Acanthamoeba culbertsoni*) [Ueschlich] e109 (Se)

Pathologic quiz case: a 34-year-old woman with abdominal pain and a large right multicystic ovarian mass: müllerian adenocarcinoma arising in an endometriotic cyst [Al-Abbadi] 1057 (Se)

Pathologic quiz case: a 2-month-old male infant with a large hydrocele: epidermoid cyst of the scrotum [Parwani] e135 (Oc)

Cytarabine

Cytosine arabinoside substitution decreases transcription factor-DNA binding element complex formation [Zhang] 1364 (De)

The -omics era and its impact [Kiechle] 1337 (De)

Cytochrome P-450 Enzyme System

Effect of polymorphisms in the cytochrome P450 CYP2C9 gene on warfarin anticoagulation [Adcock] 1360 (De)

Cytodiagnosis

Abstracts from the College of American Pathologists 2003 Annual Meeting (CAP '03), 139 (Fe)

Bethesda 2001 implementation and reporting rates: 2003 practices of participants in the College of American Pathologists Interlaboratory Comparison Program in Cervicovaginal Cytology [Davey] 1224 (No)

Can human papillomavirus DNA testing substitute for cytology in the detection of high-grade cervical lesions? [Lee] 298 (Mr)

Combining human papillomavirus testing or cervicography with cytology to detect cervical neoplasia [Howard] 1257 (No)

Comparison of human papillomavirus DNA prevalence in atypical squamous cells of undetermined significance subcategories as defined by the original Bethesda 1991 and the new Bethesda 2001 Systems [Pirog] 527 (My)

Comparison of performance of conventional and Thin-Prep gynecologic preparations in the College of American Pathologists Gynecologic Cytology Program [Renshaw] 17 (Ja)

Cytologic features of high-grade squamous intraepithelial lesion in ThinPrep Papanicolaou test slides: comparison of cases that performed poorly with those that performed well in the College of American Pathologists Interlaboratory Comparison Program in Cervicovaginal Cytology [Renshaw] 746 (Jy)

Cytologic features of squamous cell carcinoma in ThinPrep slides: evaluation of cases that performed poorly versus those that performed well in the College of American Pathologists Interlaboratory Comparison Program in Cervicovaginal Cytology [Renshaw] 403 (Ap)

Fluids—good and bad actors: observations from the College of American Pathologists Interlaboratory Comparison Program in Nongynecologic Cytology [Moriarty] 513 (My)

Macrofollicular variant of papillary carcinoma of the thyroid: a histologic, cytologic, and immunohistochemical study of 3 cases and review of the literature [Lugli] 54 (Ja)

Quality indices in a cervicovaginal cytology service: before and after laboratory accreditation [Tan] 303 (Mr)
The value of fluorescence in situ hybridization and polymerase chain reaction in the diagnosis of B-cell non-Hodgkin lymphoma in fine-needle aspiration [Safley] 1395 (De)

Virtual microscopy as a tool for proficiency testing in cytopathology (letter) [Grant] (reply) [Marchevsky] 1327 (De)

Cytogenetic Analysis

Advancing Practice, Instruction, and Innovation Through Informatics (APIII 2003): scientific session and e-poster abstracts, 1089 (Oc)

Amiodarone-induced thyrotoxicosis and thyroid cancer: clinical, immunohistochemical, and molecular genetic studies of a case and review of the literature [Saad] 807 (Jy)

Challenge in diagnosis of CD56⁺ lymphoproliferative disorders: two cases of CD56⁺ CD33⁺ lymphoma/leukemia [Yang] e100 (Au)

Combinatorial genetic technology for the development of new anti-infectives [Laios] 1351 (De)

Fibrolamellar hepatocellular carcinoma occurring 5 years after hepatocellular adenoma in a 14-year-old girl: a case report with comparative genomic hybridization analysis [Terracciano] 222 (Fe)

Follicular lymphoma with a Burkitt translocation—predictor of an aggressive clinical course: a case report and review of the literature [Voorhes] 210 (Fe)

Intrascrotal lipoblastoma with a complex karyotype: a case report and review of the literature [Somers] 797 (Jy)

Renal tumor with overlapping distal nephron morphology and karyotype [Lindgren] 1274 (No)

Cytokeratin see Keratin

Cytomegalovirus Infections

Pathologic quiz case: edema and diarrhea in a 2-year-old boy: Menetrier disease with cytomegalovirus gastritis [Black] e117 (Se)

Tracheal stenosis due to cytomegalovirus [Ashton-Sager] 1050 (Se)

Cytosine Arabinoside see Cytarabine

D

Dapsone

Pneumocystis carinii infection: update and review [Wazir] 1023 (Se)

Data Collection

Advancing Practice, Instruction, and Innovation Through Informatics (APIII 2003): scientific session and e-poster abstracts, 1089 (Oc)

The challenge of using autopsy information for quality improvement (letter) [Horowitz] (reply) [Bove], 850 (Au)

Data Interpretation, Statistical

Advancing Practice, Instruction, and Innovation Through Informatics (APIII 2003): scientific session and e-poster abstracts, 1089 (Oc)

Data Security see Computer Security

Databases

Advancing Practice, Instruction, and Innovation Through Informatics (APIII 2003): scientific session and e-poster abstracts, 1089 (Oc)

Pathology informatics questions and answers from the University of Pittsburgh pathology residency informatics rotation [Harrison] 71 (Ja)

What is a picture worth? digital imaging applications in autopsy reports [Pritt] 1247 (No)

Databases, Genetic

Advancing Practice, Instruction, and Innovation Through Informatics (APIII 2003): scientific session and e-poster abstracts, 1089 (Oc)

Death Certificates

The challenge of using autopsy information for quality improvement (letter) [Horowitz] (reply) [Bove], 850 (Au)

Decision Making, Computer-Assisted

Advancing Practice, Instruction, and Innovation Through Informatics (APIII 2003): scientific session and e-poster abstracts, 1089 (Oc)

Deidentification see Anaplasia

Deep Vein Thrombosis see Venous Thrombosis

Dehydroepiandrosterone Sulfate

Steroid profiles using liquid chromatography-tandem mass spectrometry with atmospheric pressure photoionization source [Guo] 469 (Ap)

Delirium Tremens see Alcohol Withdrawal Delirium

Delivery of Health Care

Delivering human papillomavirus testing to the public (letter) [Dennstedt] (reply) [Davey] 10 (Ja)

How the pediatric autopsy yields valuable information in a vertically integrated health care system [Newton] 1239 (No)

Dementia

Comorbidity in dementia: an autopsy study [Fu] 32 (Ja)

Dendritic Cells

Challenge in diagnosis of CD56⁺ lymphoproliferative disorders: two cases of CD56⁺CD33⁺ lymphoma/leukemia [Yang] e100 (Au)

In hematopathology, love is everywhere [Al-Quran] 1309 (No)

Deoxycytosine Nucleotides

Cytosine arabinoside substitution decreases transcription factor-DNA binding element complex formation [Zhang] 1364 (De)

Depression

Pathologic quiz case: a 64-year-old man with hematuria, intracranial hemorrhage, and severe coagulation abnormalities: long-acting warfarin-like rodenticide toxicity [Kurbegov] e181 (De)

Dermatitis

Papular spongiotic dermatitis of smallpox vaccination: report of 2 cases with review of the literature [Gaertner] 1173 (Oc)

Pathologic quiz case: an indurated plaque on the ankle of a 74-year-old woman: interstitial granulomatous drug reaction [Siani] e129 (Oc)

Dermatofibroma

Immunohistochemical expression of matrix metalloproteinases 1, 2, 9, and 14 in dermatofibrosarcoma protuberans and common fibrous histiocytoma (dermatofibroma) [Weinrach] 1136 (Oc)

Dermatofibrosarcoma Protuberans

Immunohistochemical expression of matrix metalloproteinases 1, 2, 9, and 14 in dermatofibrosarcoma protuberans and common fibrous histiocytoma (dermatofibroma) [Weinrach] 1136 (Oc)

Dermatomycoses

Pathologic quiz case: multiple cutaneous lesions in a 27-year-old woman: cutaneous *Histoplasma capsulatum* [Stephany] e15 (Ja)

Dermoid Cyst

Pathologic quiz case: an abdominopelvic mass in a 13-year-old adolescent girl: predominantly mature cystic teratoma with minimal immature neuroglia and gliomatosis peritonei [Stephany] 705 (Je)

Developing Countries

Abstracts from the College of American Pathologists 2003 Annual Meeting (CAP '03), 139 (Fe)

Developmental Disabilities

Pathologic quiz case: a slow and awkward child: central core disease [Giampetro] 481 (Apk)

Diagnosis, Differential

Epiglottic histoplasmosis presenting in a nonendemic region: a clinical mimic of laryngeal carcinoma [O'Hara] 574 (My)

Fibrous dysplasia with degenerative atypia: a benign lesion potentially mistaken for sarcoma [Bertoni] 794 (Jy)

Leukemoid reaction: a diagnostic clue in metastatic carcinoma mimicking classic Hodgkin lymphoma [Mukhopadhyay] 1445 (De) Multifocal polypoid endometriosis presenting as huge pelvic masses causing deep vein thrombosis [Laird] 561 (My)

Diagnosis-Related Groups

Abstracts from the College of American Pathologists 2003 Annual Meeting (CAP '03), 139 (Fe)

Diagnostic Equipment

Advancing Practice, Instruction, and Innovation Through Informatics (APIII 2003): scientific session and e-poster abstracts, 1089 (Oc)

Bilirubin proficiency testing using specimens containing unconjugated bilirubin and human serum: results of a College of American Pathologists Study [Lo] 1219 (No)

Diagnostic Imaging

Advancing Practice, Instruction, and Innovation Through Informatics (APIII 2003): scientific session and e-poster abstracts, 1089 (Oc)

Radiographically occult, diffuse intrasinusoidal hepatic metastases from primary breast carcinomas: a clinicopathologic study of 3 autopsy cases [Allison] 1418 (De)

Diaphragm

Pathologic quiz case: a right adnexal mass in a postmenopausal patient: malignant mixed müllerian tumor with heterologous elements arising in the fallopian tube [Humble] e161 (No)

Diarrhea

Pathologic quiz case: edema and diarrhea in a 2-year-old boy: Menetrier disease with cytomegalovirus gastritis [Black] e117 (Se)

Difenacoum

Pathologic quiz case: a 64-year-old man with hematuria, intracranial hemorrhage, and severe coagulation abnormalities: long-acting warfarin-like rodenticide toxicity [Kurbegov] e181 (De)

DiGeorge Syndrome

Current applications of flow cytometry in the diagnosis of primary immunodeficiency diseases [Illoh] 23 (Ja)

Digital Staining see Staining and Labeling

Digoxin

Adding pharmacogenetics to the clinical laboratory: narrow therapeutic index medications as a place to start [Bukaveckas] 1330 (De)

Dilute Russell Viper Venom Test see Russell's Viper

Direct Thrombin Inhibitors see Anticoagulants

Discharge Data see Health Care Surveys

Disclosure

Financial conflict of interest? (letter) [Rabinovitch] (reply) [Chejfec] 1328 (De)

Discriminant Analysis

Advancing Practice, Instruction, and Innovation Through Informatics (APIII 2003): scientific session and e-poster abstracts, 1089 (Oc)

Disease Outbreaks

The omics era and its impact [Kiechle] 1337 (De)

Severe acute respiratory syndrome: overview with an emphasis on the Toronto experience [Mazzulli] 1346 (De)

Disease Progression

Early stage of Epstein-Barr virus lytic infection leading to the "starry sky" pattern formation in endemic Burkitt lymphoma [Fujita] 549 (My)

Follicular lymphoma with a Burkitt translocation—predictor of an aggressive clinical course: a case report and review of the literature [Voorhees] 210 (Fe)

Pathologic quiz case: progressive fatal encephalopathy in an immunosuppressed patient with a history of discoid lupus erythematosus: subacute granulomatous meningoencephalitis (*Acanthamoeba culbertsoni*) [Ueschplich] e109 (Se)

Progression of chronic myeloid leukemia to blast crisis during treatment with imatinib mesylate [Xu] 980 (Se)

Recurrent solitary fibrous tumor of the pleura with malignant transformation [Kanthan] 460 (Ap)

Role of *PTEN* in gastrointestinal stromal tumor progression [Ricci] 421 (Ap)

Secondary leptomeningeal sarcomatosis [Grier] 1303 (No)

Disopyramide

Adding pharmacogenetics to the clinical laboratory: narrow therapeutic index medications as a place to start [Bukaveckas] 1330 (De)

Disseminated Intravascular Coagulation

False-positive D-dimer result in a patient with Castleman disease [Mugler] 328 (Mr)

Myocardial and cerebral infarction due to nonbacterial

thrombotic endocarditis as an initial presentation of pancreatic adenocarcinoma [Chen] 1307 (No)

Ditaurobilirubin see Bilirubin

DNA, Bacterial

Pathologic quiz case: a 17-year-old renal transplant patient with persistent fever, pancytopenia, and axillary lymphadenopathy: bacillary angiomatosis of the lymph node in the renal transplant recipient [Juskevicius] e12 (Ja)

DNA, Neoplasm

Biphasic acute myeloid leukemia with near-tetraploidy and immunophenotypic transformation [Imkie] 448 (Ap)

DNA, Viral

Can human papillomavirus DNA testing substitute for cytology in the detection of high-grade cervical lesions? [Lee] 298 (Mr)

Comparison of human papillomavirus DNA prevalence in atypical squamous cells of undetermined significance subcategories as defined by the original Bethesda 1991 and the new Bethesda 2001 Systems [Pirog] 527 (My)

Human papillomavirus typing of rare cervical carcinomas [Matthews-Greer] 553 (My)

Stability of JC virus coding sequences in a case of progressive multifocal leukoencephalopathy in which the viral control region was rearranged markedly [Zheng] 275 (Mr)

DNA-Binding Proteins

Cytosine arabinoside substitution decreases transcription factor-DNA binding element complex formation [Zhang] 1364 (De)

DNA Mutational Analysis

Current challenges in cystic fibrosis screening (letter) [Strom] (reply) [Lyon] 366 (Mr)

DNA Polymerase

Cytosine arabinoside substitution decreases transcription factor-DNA binding element complex formation [Zhang] 1364 (De)

DNA Restriction Enzymes

Lipoprotein lipase gene polymorphism and lipid profile in coronary artery disease [Duman] 869 (Au)

DNA Topoisomerases, Type I

Cytosine arabinoside substitution decreases transcription factor-DNA binding element complex formation [Zhang] 1364 (De)

DNA Topoisomerases, Type II

Cellular proliferative fraction measured with topoisomerase II α predicts malignancy in endocrine pancreatic tumors [Diaz-Rubio] 426 (Ap)

Comparative assays for the *HER-2/neu* oncogene status in breast cancer [Vera-Román] 627 (Je)

Down Syndrome

Evaluation of a dimeric inhibin-A assay for assessing fetal Down syndrome: establishment, comparison, and monitoring of median concentrations for normal pregnancies [Erickson] 415 (Ap)

Pathologic quiz case: a patient with Down syndrome presenting with "idiopathic" pericarditis: primary pericardial malignant mesothelioma [Sharaf El-Dean] e107 (Au)

Drug Abuse see Substance-Related Disorders

Drug Administration Schedule

Heparin monitoring and patient safety: a College of American Pathologists Q-Probes study of 3431 patients at 140 institutions [Valenstein] 397 (Ap)

Drug Effects

Pathologic quiz case: tumor in pigmented thyroid gland in a young man: papillary thyroid carcinoma in a minocycline-induced, diffusely pigmented thyroid gland [Raghavan] 355 (Mr)

Reflectance spectroscopy of clotting blood: a description of the time-dependent behavior [Greco] 173 (Fe)

Drug Eruptions

Pathologic quiz case: an indurated plaque on the ankle of a 74-year-old woman: interstitial granulomatous drug reaction [Siani] e129 (Oc)

Drug Monitoring

Adding pharmacogenetics to the clinical laboratory: narrow therapeutic index medications as a place to start [Bukaveckas] 1330 (De)

Heparin monitoring and patient safety: a College of American Pathologists Q-Probes study of 3431 patients at 140 institutions [Valenstein] 397 (Ap)

Immunosuppressants testing in transplantation (letter) [Papadea] 1328 (De)

Drug Resistance, Microbial

Abstracts from the College of American Pathologists 2003 Annual Meeting (CAP '03), 139 (Fe)

Combinatorial genetic technology for the development of new anti-infectives [Laios] 1351 (De)

The omics era and its impact [Kiechle] 1337 (De)

Dukes Classification see Neoplasm Staging

Duodenal Neoplasms

One patient, two lymphomas: simultaneous primary gastric marginal zone lymphoma and primary duodenal follicular lymphoma [Tang] 1035 (Se)

Dyspnea

A flower-like parasite with bladed petals [Daneshbod] 939 (Au)

Pathologic quiz case: a patient with Down syndrome presenting with "idiopathic" pericarditis: primary pericardial malignant mesothelioma [Sharaf El-Dean] e107 (Au)

Dyspnea, Paroxysmal

Pathologic quiz case: a patient with Down syndrome presenting with "idiopathic" pericarditis: primary pericardial malignant mesothelioma [Sharaf El-Dean] e107 (Au)

E

Ear Canal

Solitary fibrous tumor of the auditory canal [Rezk] e169 (De)

Echinococcosis

A flower-like parasite with bladed petals [Daneshbod] 939 (Au)

Ectopia see Choristoma

Ectopic Pregnancy see Pregnancy, Ectopic

Edema

Pathologic quiz case: edema and diarrhea in a 2-year-old boy: Menetrier disease with cytomegalovirus gastritis [Black] e117 (Se)

Pathologic quiz case: a 42-year-old man with right facial swelling and weakness: dedifferentiated acinic cell carcinoma of the parotid gland [Schultz] e52 (Mr)

Pathologic quiz case: a 10-year-old boy with weakness, lethargy, and edema: arrhythmogenic right ventricular cardiomyopathy, cardiomyopathic pattern [White] 700 (Je)

Pathologic quiz case: a 27-week female fetus with massive macrocephaly and generalized anasarca: congenital immature intracranial teratoma with skull rupture and high output cardiac failure [Bhattacharya] 102 (Ja)

EDITORIAL CONSORTIUM

Analysis of deaths during the severe acute respiratory syndrome (SARS) epidemic in Singapore: challenges in determining a SARS diagnosis [Chong] 195 (Fe)

Determination of plasma glycoprotein 2 levels in patients with pancreatic disease [Hao] 668 (Je)

Pneumocystis carinii infection: update and review [Wazir] 1023 (Se)

Use of polymerase chain reaction to diagnose tuberculous arthritis from joint tissues and synovial fluid [Titov] 205 (Fe)

Education, Medical

Abstracts from the College of American Pathologists 2003 Annual Meeting (CAP '03), 139 (Fe)

How the pediatric autopsy yields valuable information in a vertically integrated health care system [Newton] 1239 (No)

Management training for pathology residents: a regional approach [Horowitz] 59 (Ja)

Pathology informatics questions and answers from the University of Pittsburgh pathology residency informatics rotation [Harrison] 71 (Ja)

Physician survey of a laboratory medicine interpretive service and evaluation of the influence of interpretations on laboratory test ordering [Laposata] 1424 (De)

What is a picture worth? digital imaging applications in autopsy reports [Pritt] 1247 (No)

Education, Medical, Continuing

Changes to Test Your Memory continuing medical education program and instructions for authors [McClatchey] 13 (Ja)

Educational Status

Advancing Practice, Instruction, and Innovation Through Informatics (APIII 2003): scientific session and e-poster abstracts, 1089 (Oc)

Electrophoretic Mobility Shift Assay

Cytosine arabinoside substitution decreases transcription factor-DNA binding element complex formation [Zhang] 1364 (De)

Embolism

Pathologic quiz case: an 18-year-old man presenting with sepsis following a recent pharyngeal infection: Lemierre syndrome [Flymyer] 813 (Jy)

Embryology

Pathologic quiz case: an anterior neck mass in a 5-month-old female infant: wattle (congenital cervical tragus) [Rund] 1453 (De)

Embryonic Structures

Carcinoid tumor arising in a tailgut cyst of the anorectal junction with distant metastasis: a case report and review of the literature [Song] 578 (My)

Emergencies

Biochemical markers of myocardial injury test turnaround time: a College of American Pathologists Q-Probes study of 7020 troponin and 4368 creatine kinase-MB determinations in 159 institutions [Novis] 158 (Fe)

Encephalitis, Viral

Spinal cord neuropathology in human West Nile virus infection [Fratkin] 533 (My)

Spinal cord neuropathology in human West Nile virus infection (letter) [Arya] (reply) [Fratkin] 1210 (No)

Encephalitozoon

Disseminated microsporidiosis in a pancreas/kidney transplant recipient [Carlson] e41 (Mr)

Encephalopathy see Brain Diseases

Endemic Diseases

Early stage of Epstein-Barr virus lytic infection leading to the "starry sky" pattern formation in endemic Burkitt lymphoma [Fujita] 549 (My)

Epiglottic histoplasmosis presenting in a nonendemic region: a clinical mimic of laryngeal carcinoma [O'Hara] 574 (My)

Endocarditis

Myocardial and cerebral infarction due to nonbacterial thrombotic endocarditis as an initial presentation of pancreatic adenocarcinoma [Chen] 1307 (No)

Endometrial Neoplasms

Pathologic quiz case: a 70-year-old woman with postmenopausal bleeding: endometrial intraepithelial carcinoma, clear cell type [Mold] e157 (No)

Endometriosis

Multifocal polypoid endometriosis presenting as huge pelvic masses causing deep vein thrombosis [Laird] 561 (My)

Nodular histiocytic hyperplasia of the endometrium [Fukunaga] 1032 (Se)

Pathologic quiz case: a 34-year-old woman with abdominal pain and a large right multicystic ovarian mass: müllerian adenosarcoma arising in an endometriotic cyst [Al-Abbadi] 1057 (Se)

Endometritis

Routine syndecan-1 immunohistochemistry AIDS in the diagnosis of chronic endometritis [Bayer-Garner] 1000 (Se)

Endothelial Cells

The immunology of fibrogenesis in alcoholic liver disease [Chedid] 1230 (No)

Pathologic quiz case: multiple splenic lesions in a bacteremic patient: littoral cell angiosarcoma of the spleen [Fadare] 1183 (Oc)

Enoxaparin

Correlation of plasma coagulation parameters with thromboprophylaxis, patient characteristics, and outcome in the MEDENOX study [Desjardins] 519 (My)

Enterocolitis, Neutropenic

Pathologic quiz case: an 11-year-old boy with acute-onset right lower abdominal pain: typhilitis (neutropenic enterocolitis) [Wang] 239 (Fe)

Enzyme-Linked Immunosorbent Assay

Evaluation of a dimeric inhibin-A assay for assessing fetal Down syndrome: establishment, comparison, and monitoring of median concentrations for normal pregnancies [Erickson] 415 (Ap)

Eosine Yellowish (YS)

Advancing Practice, Instruction, and Innovation Through Informatics (APIII 2003): scientific session and e-poster abstracts, 1089 (Oc)

Eosinophils

Eosinophilic angiocentric fibrosis: an unusual entity of the sinonasal tract [Önder] 90 (Ja)

Sclerosing mucoepidermoid carcinoma of the parotid gland [Fadare] 1046 (Se)

Ependymoma

Abstracts from the College of American Pathologists 2003 Annual Meeting (CAP '03), 139 (Fe)

Pathologic quiz case: back pain in a 48-year-old woman: myxopapillary ependymoma [Berns] 811 (Jy)

Epidemiology

Advancing Practice, Instruction, and Innovation Through Informatics (APIII 2003): scientific session and e-poster abstracts, 1089 (Oc)

The challenge of using autopsy information for quality improvement (letter) [Horowitz] (reply) [Bove], 850 (Au)

Differential trends in the intestinal and diffuse types of gastric carcinoma in the United States, 1973-2000: increase in the signet ring cell type [Henson] 765 (Jy)

Epiglottic histoplasmosis presenting in a nonendemic region: a clinical mimic of laryngeal carcinoma [O'Hara] 574 (My)

Musculoskeletal conditions affect millions [McClatchey] 480 (Ap)

Severe acute respiratory syndrome: overview with an emphasis on the Toronto experience [Mazzulli] 1346 (De)

Epidermal Cyst

Pathologic quiz case: a 2-month-old male infant with a large hydrocele: epidermoid cyst of the scrotum [Parwani] e135 (Oc)

Epidermal Growth Factor Receptor see Receptor, Epidermal Growth Factor

Epididymis

Prostate gland-like epithelium in the epididymis: a case report and review of the literature [Lee] e60 (Ap)

Epididymitis

Pathologic quiz case: testicular pain and scrotal swelling in a 25-year-old man: large cell calcifying Sertoli cell tumor of the testis [Evans] e137 (Oc)

Xanthogranulomatous funiculitis and orchiepididymitis: report of 2 cases with immunohistochemical study and literature review [Nistal] 911 (Au)

Epiglottitis

Epiglottic histoplasmosis presenting in a nonendemic region: a clinical mimic of laryngeal carcinoma [O'Hara] 574 (My)

Epiglycanin see Membrane Glycoproteins

Epistaxis

Pathologic quiz case: a 56-year-old woman with anterior nasal pain and intermittent epistaxis: *Alternaria alternata* infection of the nasal sinus [Chen] 1451 (De)

Epithelial Cells

Pathologic quiz case: renal mass in an otherwise healthy man: epithelioid angiosarcoma [Rubinas] e19 (Ja)

Epithelium

Prostate gland-like epithelium in the epididymis: a case report and review of the literature [Lee] e60 (Ap)

Transforming growth factor α and epidermal growth factor receptor in reactive and malignant mesothelial proliferations [Cai] 68 (Ja)

Eponyms

A rosette by any other name ... (letter) [O'Malley] 134 (Fe)

Epstein-Barr Virus Infections

Early stage of Epstein-Barr virus lytic infection leading to the "starry sky" pattern formation in endemic Burkitt lymphoma [Fujita] 549 (My)

Equipment and Supplies

Advancing Practice, Instruction, and Innovation Through Informatics (APIII 2003): scientific session and e-poster abstracts, 1089 (Oc)

Laboratory and clinical aspects of B-type natriuretic peptides [Elin] 697 (Je)

Equipment Contamination

Pathologic quiz case: repeated positive ethylene glycol levels by gas chromatography: central venous line contamination of blood samples by propylene glycol from intravenous lorazepam injections [Hilliard] e79 (Je)

Erdheim-Chester Disease

Myocardial involvement in Erdheim-Chester disease [Loeffler] 682 (Je)

Pulmonary and ophthalmic involvement with Erdheim-Chester disease: a case report and review of the literature [Allen] 1428 (De)

Erythroblastosis, Fetal

Three cases of massive fetomaternal hemorrhage presenting without clinical suspicion [Pourbaba] 463 (Ap)

Erythrocytes

A case of acute hemolysis after ceftriaxone: immune complex mechanism demonstrated by flow cytometry [Kakiya] 905 (Au)

Erythromycin

Intestinal spirochetosis [Nodit] 823 (Jy)

Erythrophagocytosis

Erythrophagocytosis in Gaucher cells [Bitton] 1191 (Oc)

Escherichia coli

Combinatorial genetic technology for the development of new anti-infectives [Laos] 1351 (De)

Xanthogranulomatous funiculitis and orchiepididymitis: report of 2 cases with immunohistochemical study and literature review [Nistal] 911 (Au)

Esophageal Diseases

Inlet patch: prevalence, histologic type, and association with esophagitis, Barrett esophagus, and antritis [Tang] 444 (Ap)

Esophageal Neoplasms

Basaloid squamous cell carcinoma of the esophagus with or without adenoid cystic features [Li] 1124 (Oc)

Large esophageal liposarcoma: a case report and review of the literature [Garcia] 922 (Au)

Esophagitis

Russell body gastritis: an unusual, tumor-like lesion of the gastric mucosa [Erbersdobler] 915 (Au)

Essential Thrombocythemia see Thrombocythemia, Hemorrhagic

Estradiol

Steroid profiles using liquid chromatography-tandem mass spectrometry with atmospheric pressure photoionization source [Guo] 469 (Ap)

Esterol

Steroid profiles using liquid chromatography-tandem mass spectrometry with atmospheric pressure photoionization source [Guo] 469 (Ap)

Estrogen Receptor see Receptors, Estrogen

Estrogen Replacement Therapy

Abstracts from the College of American Pathologists 2003 Annual Meeting (CAP '03), 139 (Fe)

Ethics

Financial conflict of interest? (letter) [Rabinovitch] (reply) [Chejfec] 1328 (De)

Modern data security [Klein] 338 (Mr)

Modern data security (letter) [Ulirsch] (reply) [Klein] 1080 (Oc)

Ethylene Glycol

Pathologic quiz case: repeated positive ethylene glycol levels by gas chromatography: central venous line contamination of blood samples by propylene glycol from intravenous lorazepam injections [Hilliard] e79 (Je)

ets-1 see Proto-Oncogene Protein ets

European Continental Ancestry Group

Differential trends in the intestinal and diffuse types of gastric carcinoma in the United States, 1973-2000: increase in the signet ring cell type [Henson] 765 (Jy)

Extracellular Matrix

Immunohistochemical expression of matrix metalloproteinases 1, 2, 9, and 14 in dermatofibrosarcoma protuberans and common fibrous histiocytoma (dermatofibroma) [Weinrach] 1136 (Oc)

Extramullary Myeloid Cell Tumor see Sarcoma, Granulocytic

Extruterine Pregnancy see Pregnancy, Ectopic

Eye Diseases

Pulmonary and ophthalmic involvement with Erdheim-Chester disease: a case report and review of the literature [Allen] 1428 (De)

Eye Neoplasms

Intraocular inflammatory myofibroblastic tumor with ALK overexpression [O'Malley] e5 (Ja)

Eyebrows

Pathologic quiz case: cystic tumor of the left eyebrow in a 42-year-old woman: benign cutaneous adnexal tumor with combined folliculosebaceous and eccrine differentiation [Iwenofu] 1181 (Oc)

F

Fabry Disease

Pathologic quiz case: an unsuspected cause of nephrotic syndrome: heterozygous Fabry disease [Thamboo] 593 (My)

Face

Pathologic quiz case: a 42-year-old man with right facial swelling and weakness: dedifferentiated acinic cell carcinoma of the parotid gland [Schultz] e52 (Mr)

Factor VIII

Gastric myeloid metaplasia: a case report and review of the literature [Chatelain] 568 (My)

Factor IX

Effects of pentasaccharide (fondaparinux) and direct thrombin inhibitors on coagulation testing [Gosselin] 1142 (Oc)

Factor X

Effects of pentasaccharide (fondaparinux) and direct thrombin inhibitors on coagulation testing [Gosselin] 1142 (Oc)

Factor Xa

Correlation of plasma coagulation parameters with thromboprophylaxis, patient characteristics, and outcome in the MEDENOX study [Desjardins] 519 (My)
Heparin monitoring and patient safety: a College of American Pathologists Q-Probes study of 3431 patients at 140 institutions [Valenstein] 397 (Ap)

Failure Mode Effects Analysis see Medical Errors

Fallopian Tube Neoplasms

Pathologic quiz case: a right adnexal mass in a postmenopausal patient: malignant mixed müllerian tumor with heterologous elements arising in the fallopian tube [Humble] e161 (No)

Pathologic quiz case: a 34-year-old woman with an inguinal mass: female adnexal tumor of probable wolffian origin [Halushka] 1301 (No)

False Negative Reactions

Comparison of performance of conventional and Thin-Prep gynecologic preparations in the College of American Pathologists Gynecologic Cytology Program [Renshaw] 17 (Ja)

Detection of adenocarcinoma in situ of the cervix in Papanicolaou tests: comparison of diagnostic accuracy with other high-grade lesions [Renshaw] 153 (Fe)

Detection of tumor markers including carcinoembryonic antigen, APC, and cyclin D2 in fine-needle aspiration fluid of breast [Lee] 1251 (No)

False Positive Reactions

Comparison of performance of conventional and Thin-Prep gynecologic preparations in the College of American Pathologists Gynecologic Cytology Program [Renshaw] 17 (Ja)

False-positive D-dimer result in a patient with Castleman disease [Mugler] 328 (Mr)

Spurious hypocalcemia after Omnican- or OptiMARK-enhanced magnetic resonance imaging: an algorithm for minimizing a false-positive laboratory value [Emerson] 1151 (Oc)

Use of polymerase chain reaction to diagnose tubercular arthritis from joint tissues and synovial fluid (letter) [Arva] (reply) [Titov] 1326 (De)

Family Education see Patient Education

Fanconi Syndrome

Pathology of plasma cell dyscrasia: how much can we learn from autopsy studies? 1082 (Oc); correction [Picken] 1322 (De)

Fasciitis

Pathologic quiz case: a 76-year-old debilitated woman with a right thigh mass: ischemic fasciitis (atypical decubital fibroplasia) [Washing] e139 (Oc)

Pathologic quiz case: a solitary breast nodule in an elderly woman: fasciitis ossificans of the breast [Lui] e29 (Fe)

Fatal Outcome

Analysis of deaths during the severe acute respiratory syndrome (SARS) epidemic in Singapore: challenges in determining a SARS diagnosis [Chong] 195 (Fe)

Fatal hemorrhagic pneumonia concomitant with *Chlamydia pneumoniae* and parainfluenza virus 4 infection [Rubinas] 640 (Je)

Leishmania in the glomerulus [Kumar] 935 (Au)

Pathologic quiz case: progressive fatal encephalopathy in an immunosuppressed patient with a history of discoid lupus erythematosus: subacute granulomatous meningoencephalitis (*Acanthamoeba culbertsoni*) [Uscupich] e109 (Se)

Fatigue

Small intestinal angiosarcoma leading to perforation and acute abdomen: a case report and review of the literature [Kelemen] 95 (Ja)

Femur

Pathologic quiz case: lytic femoral lesion and renal cysts in a 66-year-old man: occult follicular carcinoma of the thyroid [Rund] 359 (Mr)

Ferrous Sulfate

Iron medication-associated gastric mucosal injury [Jij] 821 (Jy)

Fetal Death

47,XXY with associated bilateral renal agenesis [Barroeta] e44 (Mr)

Intrauterine hematogenous herpetic infection [Bedolla] 1189 (Oc)

Kaposiform hemangioendothelioma associated with non-immune fetal hydrops [Martinez] 678 (Je)

Leishmania in the glomerulus [Kumar] 935 (Au)

Polarizable placental particles: a case study and brief review of the literature [Jarzewowski] 675 (Je)

Fetal Diseases

Evaluation of a dimeric inhibin-A assay for assessing fetal Down syndrome: establishment, comparison, and monitoring of median concentrations for normal pregnancies [Erickson] 415 (Ap)

Intrauterine hematogenous herpetic infection [Bedolla] 1189 (Oc)

Pathologic quiz case: a 27-week female fetus with massive macrocephaly and generalized anasarca: congenital immature intracranial teratoma with skull rupture and high output cardiac failure [Bhattacharya] 102 (Ja)

Fetal Hydrops see Hydrops Fetalis

Fetomaternal Hemorrhage see Fetomaternal Transfusion

Fetomaternal Transfusion

Three cases of massive fetomaternal hemorrhage presenting without clinical suspicion [Pourbakh] 463 (Ap)

Fetus

Pathologic quiz case: a newborn with seizures: cortical dysplasia (malformation of cortical development) [Spencer] e91 (Jy)

Twin pregnancy with partial hydatidiform mole and co-existent fetus [Chu] 1305 (No)

Fever

Pathologic quiz case: a 17-year-old renal transplant patient with persistent fever, pancytopenia, and axillary lymphadenopathy: bacillary angiomatosis of the lymph node in the renal transplant recipient [Juskevicius] e12 (Ja)

Pathologic quiz case: a 13-year-old boy with a 2-day history of fever, vomiting, and mental status changes: *Chromobacterium violaceum* bacteremia [Grier] e131 (Oc)

Fibrin Fibrinogen Degradation Products

Correlation of plasma coagulation parameters with

thromboprophylaxis, patient characteristics, and outcome in the MEDENOX study [Desjardins] 519 (My)

Effects of pentasaccharide (fondaparinux) and direct thrombin inhibitors on coagulation testing [Gosselin] 1142 (Oc)

False-positive D-dimer result in a patient with Castleman disease [Mugler] 328 (Mr)

Fibrinogen

Effects of pentasaccharide (fondaparinux) and direct thrombin inhibitors on coagulation testing [Gosselin] 1142 (Oc)

Fibrinolytic Agents

Correlation of plasma coagulation parameters with thromboprophylaxis, patient characteristics, and outcome in the MEDENOX study [Desjardins] 519 (My)

Fibroadenoma

Axillary intranodal cysts associated with breast malignancy [Colombo] 614 (Mr)

Fibrolasts

Intraocular inflammatory myofibroblastic tumor with ALK overexpression [O'Malley] e5 (Ja)

Fibrocystic Disease of Breast

Nonproliferative fibrocystic changes and the Easter bunny [Fischer] 1054 (Se)

Fibroma

Recurrent solitary fibrous tumor of the pleura with malignant transformation [Kanthan] 460 (Ap)

Fibrosarcoma

Pathologic quiz case: myxoid tibial lesion in a 31-year-old man: low-grade myxofibrosarcoma [Kapuri] e65 (Ap)

Fibrosis

Eosinophilic angiocentric fibrosis: an unusual entity of the sinonasal tract [Onder] 90 (Ja)

The immunology of fibrogenesis in alcoholic liver disease [Chedid] 1230 (No)

On the origin of hepatic fibrosis [Guzman] 1212 (No)

Pathologic quiz case: bilateral apical lung masses in an autopsy patient: pulmonary apical cap [Mugler] e35 (Fe)

Perivascular fibrosis in the bone marrow in sickle cell disease [Manci] 634 (Je)

Progression of chronic myeloid leukemia to blast crisis during treatment with imatinib mesylate [Xu] 980 (Se)

Fibrous Dysplasia of Bone

Bone morphogenetic proteins are expressed by both bone-forming and non-bone-forming lesions [Khurana] 1267 (No)

Fibrous dysplasia with degenerative atypia: a benign lesion potentially mistaken for sarcoma [Bertoni] 794 (Jy)

Fine-Needle Aspiration see Biopsy, Fine-Needle

FISH see In Situ Hybridization, Fluorescence

Fixation see Laboratory Techniques and Procedures; Preservation, Biological

Flavivirus

Spinal cord neuropathology in human West Nile virus infection [Fratkin] 533 (My)

Flow Cytometry

Applications of flow cytometry and immunohistochemistry to diagnostic hematopathology [Dunphy] 1004 (Se)

A case of acute hemolysis after ceftriaxone: immune complex mechanism demonstrated by flow cytometry [Kakaiya] 905 (Au)

Current applications of flow cytometry in the diagnosis of primary immunodeficiency diseases [Illioh] 23 (Ja)

Flow cytometric evaluation of posttransplant B-cell lymphoproliferative disorders [Kaleem] 181 (Fe)

The value of fluorescence in situ hybridization and polymerase chain reaction in the diagnosis of B-cell non-Hodgkin lymphoma in fine-needle aspiration [Safley] 1395 (De)

Fluconazole

Balanitidis mandrillaris meningoenophthalmitis in an immunocompetent patient: an unusual clinical course and a favorable outcome [Jung] 466 (Ap)

Fluorescence In Situ Hybridization see In Situ Hybridization, Fluorescence

Foam Cells

Gastric lipid islands [Chandan] 937 (Au)

Total fibrous obliteration of main portal vein and portal foam cell venopathy in chronic hepatic allograft rejection [Jain] 64 (Ja)

Fondaparinux

Effects of pentasaccharide (fondaparinux) and direct thrombin inhibitors on coagulation testing [Gosselin] 1142 (Oc)

Food Contamination

Clostridium botulinum and the clinical laboratorian: a detailed review of botulism, including biological warfare ramifications of botulinum toxin [Caya] 653 (Je)

Food-Borne Illness see Food Contamination

Foreign Bodies

Textiloma (gossypiboma) mimicking recurrent intracranial tumor [Ribalta] 749 (Jy)

Fourth Ventricle

Pathologic quiz case: infratentorial tumor in a middle-aged woman: oncocyctic variant of choroid plexus papilloma [Bucoliero] 1448 (De)

France

The immunology of fibrogenesis in alcoholic liver disease [Chedid] 1230 (No)

Frizzled Receptor Protein 1 see Receptors, G-Protein-Coupled

Frozen Sections

Abstracts from the College of American Pathologists 2003 Annual Meeting (CAP '03), 139 (Fe)

Microdissection techniques for molecular testing in surgical pathology [Hunt] 1372 (De)

Fungal Infections see Mycoses

Fungi

Epiglottic histoplasmosis presenting in a nonendemic region: a clinical mimic of laryngeal carcinoma [O'Hara] 574 (My)

Pneumocystis carinii infection: update and review [Wazir] 1023 (Se)

Funiculus

Xanthogranulomatous funiculitis and orchiepididymitis: report of 2 cases with immunohistochemical study and literature review [Nistal] 911 (Au)

Furosemide

Adding pharmacogenetics to the clinical laboratory: narrow therapeutic index medications as a place to start [Bukaveckas] 1330 (De)

Fusobacterium necrophorum

Pathologic quiz case: an 18-year-old man presenting with sepsis following a recent pharyngeal infection: Lemierre syndrome [Plymyer] 813 (Jy)

G

Gadodiamide

Spurious hypocalcemia after Omniscan- or OptiMARK-enhanced magnetic resonance imaging: an algorithm for minimizing a false-positive laboratory value [Emerson] 1151 (Oc)

Gadolinium

Spurious hypocalcemia after Omniscan- or OptiMARK-enhanced magnetic resonance imaging: an algorithm for minimizing a false-positive laboratory value [Emerson] 1151 (Oc)

Gadopentetate Dimeglumine

Spurious hypocalcemia after Omniscan- or OptiMARK-enhanced magnetic resonance imaging: an algorithm for minimizing a false-positive laboratory value [Emerson] 1151 (Oc)

Gadoteridol

Spurious hypocalcemia after Omniscan- or OptiMARK-enhanced magnetic resonance imaging: an algorithm for minimizing a false-positive laboratory value [Emerson] 1151 (Oc)

Gadoversetamide

Spurious hypocalcemia after Omniscan- or OptiMARK-enhanced magnetic resonance imaging: an algorithm for minimizing a false-positive laboratory value [Emerson] 1151 (Oc)

Gait

Pathologic quiz case: progressive headaches in a 50-year-old woman: chordoid meningioma [Green] e115 (Se)

β -Galactosidase

Pathologic quiz case: hepatosplenomegaly in an infant with hypotonia and coarse facial features: gangliosidosis type 1 [Bu-Ghanim] 1297 (No)

Gallbladder Neoplasms

Primitive neuroectodermal tumor of the gallbladder [Song] 571 (My)

Gammopathy see Paraproteinemias

Gangliosidosis

Pathologic quiz case: hepatosplenomegaly in an infant with hypotonia and coarse facial features: gangliosidosis type 1 [Bu-Ghanim] 1297 (No)

Gas Chromatography see Chromatography, Gas

Gas Gangrene

William H. Welch, MD and the discovery of *Bacillus welchii* [Lucey] 1193 (Oc)

Gastric Carcinoma see Stomach Neoplasms

Gastric Mucosa

Collagenous gastritis: an unusual association with profound weight loss [Wang] 229 (Fe)

Gastric myeloid metaplasia: a case report and review of the literature [Chatelain] 568 (My)

Inlet patch: prevalence, histologic type, and association with esophagitis, Barrett esophagus, and antritis [Tang] 444 (Ap)

Iron medication-associated gastric mucosal injury [Ji] 821 (Jy)

Gastrinoma

Cellular proliferative fraction measured with topoisom-

erase IIa predicts malignancy in endocrine pancreatic tumors [Diaz-Rubio] 426 (Ap)

Gastritis

Collagenous gastritis: an unusual association with profound weight loss [Wang] 229 (Fe)

Inlet patch: prevalence, histologic type, and association with esophagitis, Barrett esophagus, and antritis [Tang] 444 (Ap)

Helicobacter helmannii infection in a child [Wooten] 1461 (De)

One patient, two lymphomas: simultaneous primary gastric marginal zone lymphoma and primary duodenal follicular lymphoma [Tang] 1035 (Se)

Pathologic quiz case: edema and diarrhea in a 2-year-old boy: Menetrier disease with cytomegalovirus gastritis [Black] e117 (Se)

Phlegmonous gastritis associated with Kaposi sarcoma: a case report and review of the literature [Yu] 801 (Jy)

Russell body gastritis: an unusual, tumor-like lesion of the gastric mucosa [Erbersdobler] 915 (Au)

Gastritis, Hypertrophic

Pathologic quiz case: edema and diarrhea in a 2-year-old boy: Menetrier disease with cytomegalovirus gastritis [Black] e117 (Se)

Gastrointestinal Hemorrhage

Jejunal gastrointestinal stromal tumor: a cause of obscure gastrointestinal bleeding [Sass] 214 (Fe)

Gastrointestinal Neoplasms

Large esophageal liposarcoma: a case report and review of the literature [Garcia] 922 (Au)

Malignant gastrointestinal leiomyosarcoma and gastrointestinal stromal tumor with prominent osteoclast-like giant cells [Insubato] 440 (Ap)

Role of *PTEN* in gastrointestinal stromal tumor progression [Ricci] 421 (Ap)

Gastrointestinal Stromal Tumor

Gastrointestinal stromal tumor presenting as a recurrent vaginal mass [Ceballos] 1442 (De)

Jejunal gastrointestinal stromal tumor: a cause of obscure gastrointestinal bleeding [Sass] 214 (Fe)

Malignant gastrointestinal leiomyosarcoma and gastrointestinal stromal tumor with prominent osteoclast-like giant cells [Insubato] 440 (Ap)

Role of *PTEN* in gastrointestinal stromal tumor progression [Ricci] 421 (Ap)

Gatifloxacin

Fatal hemorrhagic pneumonia concomitant with *Chlamydia pneumoniae* and parainfluenza virus 4 infection [Rubinas] 640 (Je)

Gaucher Disease

Erythrophagocytosis in Gaucher cells [Bitton] 1191 (Oc)

Gauzoma see Surgical Sponges

Gavan, Thomas L., 389 (Ap)

Gefitinib

Epidermal growth factor receptor status in breast cancer metastases to the central nervous system: comparison with HER-2/*neu* status [Grupka] 974 (Se)

Gelatin Sponge, Absorbable

Textiloma (gossypiboma) mimicking recurrent intracranial tumor [Ribalta] 749 (Jy)

Gelsolin

Abstracts from the College of American Pathologists 2003 Annual Meeting (CAP '03), 139 (Fe)

Gene Amplification

Abstracts from the College of American Pathologists 2003 Annual Meeting (CAP '03), 139 (Fe)

Comparative assays for the HER-2/*neu* oncogene status in breast cancer [Vera-Roman] 627 (Je)

Gene Expression

Advancing Practice, Instruction, and Innovation Through Informatics (APIII 2003): scientific session and e-poster abstracts, 1089 (Oc)

Gene Expression Profiling

Molecular diagnostics on lymphoid malignancies [Chan] 1379 (De)

Gene Expression Regulation, Viral

Evidence for involvement of transforming growth factor β 1 signaling pathway in activation of JC virus in human immunodeficiency virus 1-associated progressive multifocal leukoencephalopathy [Enam] 282 (Mr)

Gene Products, tat

Evidence for involvement of transforming growth factor β 1 signaling pathway in activation of JC virus in human immunodeficiency virus 1-associated progressive multifocal leukoencephalopathy [Enam] 282 (Mr)

Gene Protein-Coupled Receptor see Receptors G-Protein-Coupled

Gene Rearrangement

Angioimmunoblastic T-cell lymphoma with cutaneous involvement: a case report with subtle histologic changes and clonal T-cell proliferation [Huang] e122 (Oc)

Challenge in diagnosis of CD56⁺ lymphoproliferative

disorders: two cases of CD56⁺CD33⁺ lymphoma/leukemia [Yang] e100 (Au)

Plasmablastic lymphoma of the cervical lymph nodes in a human immunodeficiency virus-negative patient: a case report and review of the literature [Lin] 581 (My)

Renal tumor with overlapping distal nephron morphology and karyotype [Lindgren] 1274 (No)

The value of fluorescence in situ hybridization and polymerase chain reaction in the diagnosis of B-cell non-Hodgkin lymphoma in fine-needle aspiration [Safley] 1395 (De)

Genes, abl

Pathologic quiz case: a 29-year-old woman with thrombocytosis: chronic myelogenous leukemia [Baila] e63 (Ap)

Genes, APC

Detection of tumor markers including carcinoembryonic antigen, *APC*, and *cyclin D2* in fine-needle aspiration fluid of breast [Lee] 1251 (No)

Genes, bcl-1

The value of fluorescence in situ hybridization and polymerase chain reaction in the diagnosis of B-cell non-Hodgkin lymphoma in fine-needle aspiration [Safley] 1395 (De)

Genes, bcl-2

The value of fluorescence in situ hybridization and polymerase chain reaction in the diagnosis of B-cell non-Hodgkin lymphoma in fine-needle aspiration [Safley] 1395 (De)

The value of fluorescence in situ hybridization and polymerase chain reaction in the diagnosis of B-cell non-Hodgkin lymphoma in fine-needle aspiration [Safley] 1395 (De)

The value of fluorescence in situ hybridization and polymerase chain reaction in the diagnosis of B-cell non-Hodgkin lymphoma in fine-needle aspiration [Safley] 1395 (De)

The value of fluorescence in situ hybridization and polymerase chain reaction in the diagnosis of B-cell non-Hodgkin lymphoma in fine-needle aspiration [Safley] 1395 (De)

The value of fluorescence in situ hybridization and polymerase chain reaction in the diagnosis of B-cell non-Hodgkin lymphoma in fine-needle aspiration [Safley] 1395 (De)

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The value of fluorescence in situ hybridization and polymerase chain reaction in the diagnosis of B-cell non-Hodgkin lymphoma in fine-needle aspiration [Safley] 1395 (De)

The value of fluorescence in situ hybridization and polymerase chain reaction in the diagnosis of B-cell non-Hodgkin lymphoma in fine-needle aspiration [Safley] 1395 (De)

with a scrotal mass: atypical (sympatric or bizarre) leiomyoma of the scrotum [Fadare] e37 (Fe)

Genotype
Lipoprotein lipase gene polymorphism and lipid profile in coronary artery disease [Duman] 869 (Au)
Microdissection genotyping of mixed glial and primitive neuroectodermal central nervous system neoplasm [Moham] 1161 (Oc)
Molecular analysis to demonstrate that odontogenic keratocysts are neoplastic [Agaram] 313 (Mr)

Germ Cell Neoplasms see Neoplasms, Germ Cell and Embryonal

Germinal Center
In hematopathology, love is everywhere [Al-Quran] 1309 (No)

Gestational Age
Evaluation of a dimeric inhibin-A assay for assessing fetal Down syndrome: establishment, comparison, and monitoring of median concentrations for normal pregnancies [Erickson] 415 (Ap)

Gestational Trophoblastic Neoplasms
A hydatidiform mole in a postmenopausal woman: a case report and review of the literature [Garcia] 1039 (Se)
Twin pregnancy with partial hydatidiform mole and co-existent fetus [Chu] 1305 (No)

Giant Cell Tumor of Bone
Giant cell tumor of rib masquerading as thymoma: a diagnostic pitfall in needle core biopsy of the mediastinum [Volmar] 452 (Ap)

Giant Cells
Clear cell renal cell carcinoma with syncytial giant cells: a case report and review of the literature [Shen] 1435 (De)
Malignant gastrointestinal leiomyosarcoma and gastrointestinal stromal tumor with prominent osteoclast-like giant cells [Insabato] 440 (Ap)
Pathologic quiz case: an 18-year-old man with pain and swelling of the left hand: chondroblastoma [Baisre] e120 (Se)
Pathologic quiz case: supraclavicular subcutaneous nodule in a 24-year-old woman: myxoid plexiform fibrohistiocytic tumor without multinucleated giant cells [Chen] 931 (Au)

Giant Cells, Foreign Body
Textiloma (gossypiboma) mimicking recurrent intracranial tumor [Ribalta] 749 (Jy)

Giant Lymph Node Hyperplasia
False-positive D-dimer result in a patient with Castleman disease [Mugler] 328 (Mr)
Sinusoidal dilatation and congestion in liver biopsy: is it always due to venous outflow impairment? [Kakar] 901 (Au)

GIF see Image Processing, Computer Assisted

Gingival Neoplasms
Pathologic quiz case: a newborn with a midline buccal mucosa mass: congenital gingival granular cell tumor (congenital epulis) [Godra] 585 (My)

Gleason Grading System see Neoplasm Staging

Gliar Fibrillary Acidic Protein
Chordoid glioma: clinicopathologic profile and differential diagnosis of an uncommon tumor [Buccoliero] e141 (No)

Glioblastoma
Giant cell glioblastoma and pleomorphic xanthoastrocytoma (letter) [Katsetos] (reply) [Kleinschmidt-DeMasters] 391 (Ap)

Glioma
Chordoid glioma: clinicopathologic profile and differential diagnosis of an uncommon tumor [Buccoliero] e141 (No)

Gliomatosis Peritonei see Neoplasms, Neuroepithelial

Glomangioma see Glomus Tumor

Glomerulonephritis
A 59-year-old woman with immunotactoid glomerulopathy, heavy-chain disease, and non-Hodgkin lymphoma [Jacobson] 689 (Je)
Leishmania in the glomerulus [Kumar] 935 (Au)

Glomus Tumor
Primary glomangioma of the liver: a case report and review of the literature [Jaiswal] e46 (Mr)

β -Glucocerebrosidase see Glucosylceramidase

Glucosylceramidase
Erythrophagocytosis in Gaucher cells [Bitton] 1191 (Oc)

Glycolipids
Erythrophagocytosis in Gaucher cells [Bitton] 1191 (Oc)

Glycoproteins
Determination of plasma glycoprotein 2 levels in patients with pancreatic disease [Hao] 668 (Je)
Frequent expression of human carcinoma-associated antigen, a mucin-type glycoprotein, in cells of prostatic carcinoma [Li] 1412 (De)
MUC1 gene-derived glycoprotein assays for monitoring breast cancer (CA 15-3, CA 27.29, BR): are they measuring the same antigen? [Klee] 1131 (Oc)

Gorlin Syndrome see Basal Cell Nevus Syndrome

Gossypiboma see Surgical Sponges

GPCR see Receptors G-Protein-Coupled

Graft Rejection
Abstracts from the College of American Pathologists 2003 Annual Meeting (CAP '03), 139 (Fe)
Total fibrous obliteration of main portal vein and portal foam cell venopathy in chronic hepatic allograft rejection [Jain] 64 (Ja)

Granular Cell Tumor
Granular cell tumor: immunohistochemical assessment of inhibin- α , protein gene product 9.5, S100 protein, CD68, and Ki-67 proliferative index with clinical correlation [Le] 771 (Jy); correction, 844 (Au)
Pathologic quiz case: a newborn with a midline buccal mucosa mass: congenital gingival granular cell tumor (congenital epulis) [Godra] 585 (My)
Pathologic quiz case: a 29-year-old man with a tongue lesion: granular cell tumor [Wroblewski] 1059 (Se)

Granuloma
Pathologic quiz case: an indurated plaque on the ankle of a 74-year-old woman: interstitial granulomatous drug reaction [Siam] e129 (Oc)

Granuloma, Foreign Body
Textiloma (gossypiboma) mimicking recurrent intracranial tumor [Ribalta] 749 (Jy)

Granuloma, Plasma Cell
Intraocular inflammatory myofibroblastic tumor with ALK overexpression [O'Malley] e5 (Ja)
Pathologic quiz case: parasternal mass in a young man: inflammatory myofibroblastic tumor of the parastestis [Kapur] 589 (My)

Granulomatous Disease, Chronic
Current applications of flow cytometry in the diagnosis of primary immunodeficiency diseases [Illoh] 23 (Ja)

Graphics Interchange Format (GIF) see Image Processing, Computer Assisted

Great Britain
A rosette by any other name . . . (letter) [O'Malley] 134 (Fe)

Green Fluorescent Protein
Combinatorial genetic technology for the development of new anti-infectives [Laos] 1351 (De)

Group A β -Hemolytic Streptococcus see Viridans Streptococci

Guidelines
Analysis of on-line clinical laboratory manuals and practical recommendations [Beckwith] 476 (Ap)

Guillain-Barré Syndrome
Spinal cord neuropathology in human West Nile virus infection [Fratkin] 533 (My)

II

HA3 see Antibodies, Monoclonal

Hamlin, William B., 1324 (De)

Hand
Pathologic quiz case: an 18-year-old man with pain and swelling of the left hand: chondroblastoma [Baisre] e120 (Se)

Handheld Devices see Equipment and Supplies

Hantavirus Pulmonary Syndrome
Fatal hemorrhagic pneumonia concomitant with *Chlamydia pneumoniae* and parainfluenza virus 4 infection [Rubinas] 640 (Je)

HCG see Chorionic Gonadotropin

Head
Pathologic quiz case: a 27-week female fetus with massive macrocephaly and generalized anasarca: congenital immature intracranial teratoma with skull rupture and high output cardiac failure [Bhattacharya] 102 (Ja)

Head and Neck Neoplasms
Chondroid syringoma: cytokeratin 20 immunolocalization of Merkel cells and reappraisal of apocrine folliculo-sebaceous differentiation [Salama] 986 (Se)

Headache
Pathologic quiz case: headache in an 8-year-old child: primary amebic meningoencephalitis due to *Naegleria fowleri* [Stephany] e33 (Fe)
Pathologic quiz case: progressive headaches in a 50-year-old woman: chordoid meningioma [Green] e115 (Se)
Pathologic quiz case: a symptomatic renal tumor: juxtaglomerular cell tumor [Kuten] e112 (Se)

Health Care Surveys
The challenge of using autopsy information for quality improvement (letter) [Horowitz] (reply) [Bove], 850 (Au)

Health Care Systems see Delivery of Health Care

Health Education
Advancing Practice, Instruction, and Innovation Through Informatics (APIII 2003): scientific session and e-poster abstracts, 1089 (Oc)

Health Insurance Portability and Accountability Act

Zero-Check: a zero-knowledge protocol for reconciling patient identities across institutions (letter) [Apfelroth] (reply) [Berman] 954 (Se)

Health Maintenance Organizations
How the pediatric autopsy yields valuable information in a vertically integrated health care system [Newton] 1239 (No)

Heart Diseases
Analysis of deaths during the severe acute respiratory syndrome (SARS) epidemic in Singapore: challenges in determining a SARS diagnosis [Chong] 195 (Fe)
Pathologic quiz case: a 27-week female fetus with massive macrocephaly and generalized anasarca: congenital immature intracranial teratoma with skull rupture and high output cardiac failure [Bhattacharya] 102 (Ja)

Heart Failure, Congestive
Laboratory and clinical aspects of B-type natriuretic peptides [Elin] 697 (Je)

Heavy Chain Disease
A 59-year-old woman with immunotactoid glomerulopathy, heavy-chain disease, and non-Hodgkin lymphoma [Jacobson] 689 (Je)

Helicobacter heilmannii
Helicobacter heilmannii infection in a child [Wooten] 1461 (De)

Helicobacter Infections
Inlet patch: prevalence, histologic type, and association with esophagitis, Barrett esophagus, and antritis [Tang] 444 (Ap)

Helicobacter pylori
One patient, two lymphomas: simultaneous primary gastric marginal zone lymphoma and primary duodenal follicular lymphoma [Tang] 1035 (Se)

Hemangioidendthelioma
Kaposiform hemangioendothelioma associated with non-immune fetal hydrops [Martinez] 678 (Je)

Hemangioidendthelioma, Epithelioid
Epithelioid hemangioidendthelioma of the suprasellar area: a case report and review of the literature [Baehring] 1289 (No)
Pathologic quiz case: multiple liver and lung nodules: epithelioid hemangioidendthelioma of the liver [Blaney] e183 (De)

Hemangioma
Loss of heterozygosity patterns of sclerosing hemangioma of the lung and bronchioloalveolar carcinoma indicate a similar molecular pathogenesis [Dacic] 880 (Au)
Pathologic quiz case: multiple liver and lung nodules: epithelioid hemangioidendthelioma of the liver [Blaney] e183 (De)
Pathologic quiz case: multiple splenic lesions in a bacteremic patient: littoral cell angiosarcoma of the spleen [Fadare] 1183 (Oc)

Hemangioma, Cavernous
Multiple cavernous hemangiomas of the lung: a case report and review of the literature [Fine] 1439 (De)

Hemangiopericytoma
Pathologic quiz case: a 52-year-old woman with a pleural mass: metastatic hemangiopericytoma [Jani] 1061 (Se)

Hemangiosarcoma
Pathologic quiz case: multiple liver and lung nodules: epithelioid hemangioidendthelioma of the liver [Blaney] e183 (De)
Pathologic quiz case: a 39-year-old man with diffuse pleural thickening and massive hemothorax: epithelioid angiosarcoma of pleura [Chen] 1299 (No)
Small intestinal angiosarcoma leading to perforation and acute abdomen: a case report and review of the literature [Kelemen] 95 (Ja)

Hematogones
Applications of flow cytometry and immunohistochemistry to diagnostic hematopathology [Dunphy] 1004 (Se)
In hematopathology, love is everywhere [Al-Quran] 1309 (No)

Hematologic Diseases
Perivascular fibrosis in the bone marrow in sickle cell disease [Manc] 634 (Je)

Hematologic Neoplasms
Fluids—good and bad actors: observations from the College of American Pathologists Interlaboratory Comparison Program in Nongynecologic Cytology [Moriarty] 513 (My)

Hematologic Tests
Continuous monitoring of stat and routine outlier turnaround times: two College of American Pathologists Q-Tracks monitors in 291 hospitals [Novis] 621 (Je)

Hematoma, Subdural
Pathologic quiz case: a 64-year-old man with hematuria, intracranial hemorrhage, and severe coagulation abnormalities: long-acting warfarin-like rodenticide toxicity [Kurbegov] e181 (De)

Hematopoiesis

- Pathologic quiz case: a 68-year-old man with thrombocytosis and ringed sideroblasts: essential thrombocythemia with ringed sideroblasts [Jani] 815 (Jy)
- Hematopoiesis, Extramedullary**
Chronic abdominal pain caused by heterotopic ossification with functioning bone marrow: a case report and review of the literature [Wang] 321 (Mr)
- Hematology**
Advancing Practice, Instruction, and Innovation Through Informatics (APIH 2003): scientific session and e-poster abstracts, 1089 (Oc)
- Hematuria**
Clear cell renal cell carcinoma with syncytial giant cells: a case report and review of the literature [Shen] 1435 (De)
Low-grade neuroendocrine carcinoma (carcinoid tumor) of the prostate [Reyes] e166 (De)
Pathologic quiz case: a 73-year-old man with a bladder mass: combined primary small cell neuroendocrine carcinoma and high-grade papillary urothelial carcinoma of the urinary bladder [Lau] 1055 (Se)
Pathologic quiz case: a 64-year-old man with hematuria, intracranial hemorrhage, and severe coagulation abnormalities: long-acting warfarin-like rodenticide toxicity [Kurbegov] e181 (De)
Pathologic quiz case: a 35-year-old man with hematuria: paraganglioma involving the prostate [Farwani] e104 (Au)
- Hemiparesis see Paresis**
- Hemochromatosis**
Coexistent hereditary hemochromatosis and α_1 -antitrypsin deficiency [Shen] 491 (Ap)
- Hemoglobins, Abnormal**
Hemoglobin C and hemoglobin O-Arab variants can be diagnosed using the Bio-Rad Variant II high-performance liquid chromatography system without further confirmatory tests [Joutovsky] 435 (Ap)
Perivascular fibrosis in the bone marrow in sickle cell disease [Manci] 634 (Je)
- Hemolysis**
A case of acute hemolysis after ceftriaxone: immune complex mechanism demonstrated by flow cytometry [Kakaya] 905 (Au)
Fibrile nonhemolytic transfusion reactions: management by premedication and cost implications in adult patients [Ezdiegwu] 991 (Se)
- Hemolytic Anemia, Autoimmune**
A case of acute hemolysis after ceftriaxone: immune complex mechanism demonstrated by flow cytometry [Kakaya] 905 (Au)
- Hemolytic Disease of the Newborn see Erythroblastosis, Fetal**
- Hemopericardium see Pericardial Effusion**
- Hemoperitoneum**
Splenic pregnancy: a case report and review of the literature [Kalof] e146 (No)
- Hemorrhage**
Heparin monitoring and patient safety: a College of American Pathologists Q-Probes study of 3431 patients at 140 institutions [Valenstein] 397 (Ap)
- Hemostasis, Surgical**
Textiloma (gossypiboma) mimicking recurrent intracranial tumor [Ribalta] 749 (Jy)
- Hemothorax**
Pathologic quiz case: a 39-year-old man with diffuse pleural thickening and massive hemothorax: epithelioid angiosarcoma of pleura [Chen] 1299 (No)
- Heparin**
Fatal hemorrhagic pneumonia concomitant with *Chlamydia pneumoniae* and parainfluenza virus 4 infection [Rubinas] 640 (Je)
Heparin monitoring and patient safety: a College of American Pathologists Q-Probes study of 3431 patients at 140 institutions [Valenstein] 397 (Ap)
- Heparin, Low-Molecular-Weight**
Correlation of plasma coagulation parameters with thromboprophylaxis, patient characteristics, and outcome in the MEDENOX study [Desjardins] 519 (My)
- Hepatic Veno-Occlusive Disease**
Sinusoidal dilatation and congestion in liver biopsy: is it always due to venous outflow impairment? [Kakar] 901 (Au)
- Hepatitis C**
Pathologic quiz case: a 54-year-old liver transplant recipient with diffuse thickening of the sigmoid colon: malakoplakia of the colon associated with liver transplant [Weinrach] e133 (Oc)
- Hepatocytes**
The immunology of fibrogenesis in alcoholic liver disease [Chedid] 1230 (No)
- Hepatomegaly**
Challenge in diagnosis of CD56⁺ lymphoproliferative disorders: two cases of CD56⁺/CD33⁺ lymphoma/leukemia [Yang] e100 (Au)
- Pathologic quiz case: hepatosplenomegaly in an infant with hypotonia and coarse facial features: gangliosidosis type 1 [Bu-Gharios] 1297 (No)
- HER-2/neu Gene see Genes, erbB-2**
- HER-2/neu Protein see Receptor, erbB-2**
- Herbal Medicines see Plants, Medicinal**
- Hereditary Diseases and Abnormalities see Congenital, Hereditary, and Neonatal Diseases and Abnormalities**
- Hernia**
Pathologic quiz case: a 2-month-old male infant with a large hydrocele: epidermoid cyst of the scrotum [Farwani] e135 (Oc)
- Hernia, Diaphragmatic**
Abstracts from the College of American Pathologists 2003 Annual Meeting (CAP '03), 139 (Fe)
- Herpesvirus 2, Human**
Intrauterine hematogenous herpetic infection [Bedolla] 1189 (Oc)
- Herpesvirus 4, Human**
Early stage of Epstein-Barr virus lytic infection leading to the "starry sky" pattern formation in endemic Burkitt lymphoma [Fujita] 549 (My)
Plasmablastic lymphoma of the cervical lymph nodes in a human immunodeficiency virus-negative patient: a case report and review of the literature [Lin] 581 (My)
- Heterotopia see Choristoma**
- Heterotopic Ossification see Ossification, Heterotopic**
- Heterozygote**
Pathologic quiz case: an unsuspected cause of nephrotic syndrome: heterozygous Fabry disease [Thamboo] 593 (My)
- HIPAA see Health Insurance Portability and Accountability Act**
- Histiocytes**
Abstracts from the College of American Pathologists 2003 Annual Meeting (CAP '03), 139 (Fe)
Gastric lipid islands [Chandan] 937 (Au)
In hematopathology, love is everywhere [Al-Quran] 1309 (No)
Nodular histiocytic hyperplasia of the endometrium [Fukunaga] 1032 (Se)
Pulmonary and ophthalmic involvement with Erdheim-Chester disease: a case report and review of the literature [Allen] 1428 (De)
- Histiocytoma, Fibrous**
Immunohistochemical expression of matrix metalloproteinases 1, 2, 9, and 14 in dermatofibrosarcoma protuberans and common fibrous histiocytoma (dermatofibroma) [Weinrach] 1136 (Oc)
Pathologic quiz case: supraclavicular subcutaneous nodule in a 24-year-old woman: myxoid plexiform fibrohistiocytic tumor without multinucleated giant cells [Chen] 931 (Au)
Urachal malignant fibrous histiocytoma: a case report and review of the literature [Wang] 456 (Ap)
- Histological Techniques**
Advancing Practice, Instruction, and Innovation Through Informatics (APIH 2003): scientific session and e-poster abstracts, 1089 (Oc)
Cystic nephroma: a histologic and immunohistochemical study of 10 cases [Mukhopadhyay] 1404 (De)
Macrololcular variant of papillary carcinoma of the thyroid: a histologic, cytologic, and immunohistochemical study of 3 cases and review of the literature [Lugli] 54 (Ja)
Malignant melanoma with a rhabdoid phenotype: histologic, immunohistochemical, and ultrastructural study of a case and review of the literature [Abbott] 686 (Je)
- Histioplasma**
Epiglottic histoplasmosis presenting in a nonendemic region: a clinical mimic of laryngeal carcinoma [O'Hara] 574 (My)
Pathologic quiz case: multiple cutaneous lesions in a 27-year-old woman: cutaneous *Histoplasma capsulatum* [Stephany] e15 (Ja)
- Histoplasmosis**
Epiglottic histoplasmosis presenting in a nonendemic region: a clinical mimic of laryngeal carcinoma [O'Hara] 574 (My)
Pathologic quiz case: multiple cutaneous lesions in a 27-year-old woman: cutaneous *Histoplasma capsulatum* [Stephany] e15 (Ja)
- HISTORICAL PERSPECTIVES IN PATHOLOGY AND LABORATORY MEDICINE**
William H. Welch, MD, and the discovery of *Bacillus anthracis* [Lucey] 1193 (Oc)
- History of Medicine**
A rosette by any other name ... (letter) [O'Malley] 134 (Fe)
- HIV Core Protein p24**
Evidence for involvement of transforming growth factor β 1 signaling pathway in activation of JC virus in human immunodeficiency virus 1-associated progressive multifocal leukoencephalopathy [Enam] 282 (Mr)
- HIV Infections**
Clinicopathologic study of hepatic *Penicillium marneffei* in northern Thailand [Yousukh] 191 (Fe)
Evidence for involvement of transforming growth factor β 1 signaling pathway in activation of JC virus in human immunodeficiency virus 1-associated progressive multifocal leukoencephalopathy [Enam] 282 (Mr)
False-positive D-dimer result in a patient with Castleman disease [Mugler] 328 (Mr)
Intestinal spirochetosis [Guzman] 1188 (Oc)
Phlegmonous gastritis associated with Kaposi sarcoma: a case report and review of the literature [Yu] 801 (Jy)
Pneumocystis carinii infection: update and review [Wazir] 1023 (Se)
- HIV Seronegativity**
Plasmablastic lymphoma of the cervical lymph nodes in a human immunodeficiency virus-negative patient: a case report and review of the literature [Lin] 581 (My)
- Hodgkin Disease**
Applications of flow cytometry and immunohistochemistry to diagnostic hematopathology [Dunphy] 1004 (Se)
Leukemoid reaction: a diagnostic clue in metastatic carcinoma mimicking classic Hodgkin lymphoma [Mukhopadhyay] 1445 (De)
Pathologic quiz case: a 29-year-old woman with thrombocytosis: chronic myelogenous leukemia [Baia] e63 (Ap)
- Homocysteine**
Hyperhomocysteinemia measured by immunoassay: a valid measure of coronary artery atherosclerosis [Stauffenberg] 1263 (No)
- Homozygote**
Perivascular fibrosis in the bone marrow in sickle cell disease [Manci] 634 (Je)
- Honey**
Clostridium botulinum and the clinical laboratorian: a detailed review of botulism, including biological warfare ramifications of botulinum toxin [Caya] 653 (Je)
- Hospital Costs**
Abstracts from the College of American Pathologists 2003 Annual Meeting (CAP '03), 139 (Fe)
Evaluation of add-on testing in the clinical chemistry laboratory of a large academic medical center: operational considerations [Melanson] 885 (Au)
- HPH see Phenotypic**
- HTML see Computers**
- Human Carcinoma-Associated Antigen see Antigens, Tumor-Associated, Carbohydrate**
- Human Chorionic Gonadotropin see Chorionic Gonadotropin**
- Human Immunodeficiency Virus see HIV Infections**
- Human Papillomavirus see Papillomavirus, Human**
- Hydatid Disease see Echinococcosis**
- Hydatidiform Mole**
A hydatidiform mole in a postmenopausal woman: a case report and review of the literature [Garcia] 1039 (Se)
Immunohistochemical characterization of p57^{np2} expression in tetraploid hydropic placentas [Fukunaga] 897 (Au)
Twin pregnancy with partial hydatidiform mole and co-existent fetus [Chu] 1305 (No)
- Hydrocele**
Pathologic quiz case: a 2-month-old male infant with a large hydrocele: epidermoid cyst of the scrotum [Farwani] e135 (Oc)
- Hydrochlorothiazide**
Pathologic quiz case: an indurated plaque on the ankle of a 74-year-old woman: interstitial granulomatous drug reaction [Siam] e129 (Oc)
- Hydrocortisone**
Steroid profiles using liquid chromatography-tandem mass spectrometry with atmospheric pressure photoionization source [Guo] 469 (Ap)
- Hydronephrosis**
Pathologic quiz case: a 35-year-old man with hematuria: paraganglioma involving the prostate [Farwani] e104 (Au)
- Hydrops Fetalis**
Immunohistochemical characterization of p57^{np2} expression in tetraploid hydropic placentas [Fukunaga] 897 (Au)
Kaposiform hemangioendothelioma associated with non-immune fetal hydrops [Martinez] 678 (Je)
- Hydrothorax**
Pathologic quiz case: a 40-year-old woman with a large pelvic mass, ascites, massive right hydrothorax, and elevated CA 125: uterine symplectic leiomyoma associated with pseudo-Meigs syndrome and elevated CA 125 [Weinrach] 933 (Au)
- Hydroxychloroquine**

Pathologic quiz case: progressive headaches in a 50-year-old woman: chordoid meningioma [Green] e115 (Se)

5-p-Hydroxyphenyl-5-Phenylhydantoin see Phenytoin

17- α -Hydroxyprogesterone
Steroid profiles using liquid chromatography-tandem mass spectrometry with atmospheric pressure photoionization source [Guo] 469 (Ap)

Hyper IgM Syndrome see Immunoglobulin M

Hyperbilirubinemia
The scratch test [Pantanowitz] 598 (My)

Hypercoagulable State see Thrombophilia

Hyperhomocysteinemia
Hyperhomocysteinemia measured by immunoassay: a valid measure of coronary artery atherosclerosis [Staufferberg] 1263 (No)

Hyperplasia
Abstracts from the College of American Pathologists 2003 Annual Meeting (CAP '03), 139 (Fe)
Distinct secreted Frizzled receptor protein 1 staining pattern in patients with hyperplastic polyposis coli syndrome [Oberschmid] 967 (Se)
Early nodular hyperplasia of the liver occurring with inflammatory bowel diseases in association with thio-guanine therapy [Shastri] 49 (Ja)
Nodular histiocytic hyperplasia of the endometrium [Fukunaga] 1032 (Se)
Pathologic quiz case: edema and diarrhea in a 2-year-old boy: Menetrier disease with cytomegalovirus gastritis [Black] e117 (Se)
Polypoid nodular lymphoid hyperplasia of the terminal ileum, 1186 (Oc); correction [Mukhopadhyay] 1322 (De)

Hyperplastic Polyposis Coli Syndrome
Distinct secreted Frizzled receptor protein 1 staining pattern in patients with hyperplastic polyposis coli syndrome [Oberschmid] 967 (Se)

Hypersensitivity
Diagnosing allergic diseases in children: practical recommendations for consulting pathologists [Homburger] 1028 (Se)

Hypertension
Pathologic quiz case: a symptomatic renal tumor: juxta-glomerular cell tumor [Kuten] e112 (Se)

Hypobulinemia
Pathologic quiz case: edema and diarrhea in a 2-year-old boy: Menetrier disease with cytomegalovirus gastritis [Black] e117 (Se)

Hypocalcemia
Spurious hypocalcemia after Omnican- or OptiMARK-enhanced magnetic resonance imaging: an algorithm for minimizing a false-positive laboratory value [Emerson] 1151 (Oc)

Hypogammaglobulinemia see Agammaglobulinemia

Hypoglycemia
Pathologic quiz case: a 49-year-old woman with an adrenal mass: pancreatic tissue with nesidioblastosis, adrenocortical adenoma, and ovarian thecal metaplasia in the adrenal gland [Giordade] 1294 (No)

Hypotension
Spinal cord neuropathology in human West Nile virus infection [Fratkin] 533 (My)

Hypothalamic Neoplasms
Chordoid glioma: clinicopathologic profile and differential diagnosis of an uncommon tumor [Bucolierio] e141 (No)

Hypotonia see Muscle Hypotonia

I

Ifosfamide
Pathologic quiz case: a 52-year-old woman with a pleural mass: metastatic hemangiopericytoma [Jani] 1061 (Se)

IgA Deficiency
Current applications of flow cytometry in the diagnosis of primary immunodeficiency diseases [Illloh] 23 (Ja)

Ileal Neoplasms
Malignant gastrointestinal leiomyosarcoma and gastrointestinal stromal tumor with prominent osteoclast-like giant cells [Insabato] 440 (Ap)

Ileum
Polypoid nodular lymphoid hyperplasia of the terminal ileum, 1186 (Oc); correction [Mukhopadhyay] 1322 (De)
Small intestinal angiosarcoma leading to perforation and acute abdomen: a case report and review of the literature [Kelemen] 95 (Ja)

Ilium
Pathologic quiz case: a 59-year-old man with a 2-week history of right iliac fossa pain: nonsteroidal anti-inflammatory drug-induced colonic ulcer [Lipper] e39 (Fe)

Illinois
Fatal hemorrhagic pneumonia concomitant with *Chla-*

mydia pneumoniae and parainfluenza virus 4 infection [Rubinas] 640 (Je)

Image Processing, Computer-Assisted
Advancing Practice, Instruction, and Innovation Through Informatics (APIII 2003): scientific session and e-poster abstracts, 1089 (Oc)
Pathology informatics questions and answers from the University of Pittsburgh pathology residency informatics rotation [Harrison] 71 (Ja)
What is a picture worth? digital imaging applications in autopsy reports [Pritt] 1247 (No)

IMAGES IN PATHOLOGY
Aberrant nuclear projections of neutrophils in trisomy 13 [Salama] 243 (Fe)
Aortic dissection [Xie] 599 (My)
Axillary intranodal cysts associated with breast malignancy [Colombo] 361 (Mr)
Burkitt leukemia [Fluang] 1459 (De)
Coexistent hereditary hemochromatosis and α_1 -antitrypsin deficiency [Shen] 491 (Ap)
Cutaneous anthrax [Godyn] 709 (Je)
Cystic adrenal lymphangioma [Garcia] 713 (Je)
Displaced bacterial colonies indicating *Strongyloides* larval migration on agar plates [Mariappan] 711 (Je)
Epidermoid metaplasia of the cervix [Ionescu] 1052 (Se)
Erythrophagocytosis in Gaucher cells [Bitton] 1191 (Oc)
A flower-like parasite with bladed petals [Daneshbod] 939 (Au)
Gastric lipid islands [Chandan] 937 (Au)
Helicobacter heilmannii infection in a child [Wooten] 1461 (De)
Importance of immunohistochemical staining in metastatic anaplastic oligodendroglioma [Choon] 489 (Ap)
In hematopathology, love is everywhere [Al-Quran] 1309 (No)
Intestinal spirochetosis [Guzman] 1188 (Oc)
Intestinal spirochetosis [Noddi] 823 (Jy)
Intrauterine hematogenous herpetic infection [Bedolla] 1189 (Oc)
Iron medication-associated gastric mucosal injury [Ji] 821 (Jy)
Leishmania in the glomerulus [Kumar] 935 (Au)
Myocardial and cerebral infarction due to nonbacterial thrombotic endocarditis as an initial presentation of pancreatic adenocarcinoma [Chen] 1307 (No)
Pancreatic heterotopia in the gastric antrum [Chandan] 111 (Ja)
Physaliphorous cells in chordoma [Gui] 1457 (De)
Polyomavirus in a lung transplant patient [Jani] 1463 (De)
Polypoid nodular lymphoid hyperplasia of the terminal ileum, 1186 (Oc); correction [Mukhopadhyay] 1322 (De)
Pure erythroid leukemia [Huang] 241 (Fe)
The scratch test [Pantanowitz] 598 (My)
Sebaceous differentiation in salivary glands [Mariappan] 245 (Fe)
Secondary leptomeningeal sarcomatosis [Grier] 1303 (No)
Tracheal stenosis due to cytomegalovirus [Ashton-Sager] 1050 (Se)
Twin pregnancy with partial hydatidiform mole and co-existent fetus [Chu] 1305 (No)
The use of polarization microscopy in the diagnosis of Pneumocystis pneumonia [An] 363 (Mr)

Imatinib
Pathologic quiz case: a 52-year-old woman with a pleural mass: metastatic hemangiopericytoma [Jani] 1061 (Se)
Progression of chronic myeloid leukemia to blast crisis during treatment with imatinib mesylate [Xu] 980 (Se)

Immobilization
Pathologic quiz case: a 76-year-old debilitated woman with a right thigh mass: ischemic fasciitis (atypical decubital fibroplasia) [Washing] e139 (Oc)

Immune Complex Diseases
A case of acute hemolysis after ceftriaxone: immune complex mechanism demonstrated by flow cytometry [Kakaya] 905 (Au)

Immunization
Pneumocystis carinii infection: update and review [Wazir] 1023 (Se)

Immunization, Passive
Clostridium botulinum and the clinical laboratorian: a detailed review of botulism, including biological warfare ramifications of botulinum toxin [Caya] 653 (Je)

Immunoassays
Hyperhomocysteinemia measured by immunoassay: a valid measure of coronary artery atherosclerosis [Staufferberg] 1263 (No)
Immunosuppressants testing in transplantation (letter) [Papadea] 1328 (De)
Steroid profiles using liquid chromatography-tandem mass spectrometry with atmospheric pressure photoionization source [Guo] 469 (Ap)

Immunoglobulin E

Diagnosing allergic diseases in children: practical recommendations for consulting pathologists [Homburger] 1028 (Se)

Immunoglobulin G
Pathologic quiz case: a 77-year-old woman with bilateral breast masses: amyloidosis involving the breast [Fleury] e67 (Ap)

Immunoglobulin M
Current applications of flow cytometry in the diagnosis of primary immunodeficiency diseases [Illloh] 23 (Ja)

Immunoglobulins
Pathologic quiz case: a 63-year-old renal transplant recipient with a sore throat: posttransplantation lymphoproliferative disorder, plasmacytoma type, with prominent Russell body formation [Syed] e76 (Je)

Immunoglobulins, Heavy-Chain
A 59-year-old woman with immunotactoid glomerulopathy, heavy-chain disease, and non-Hodgkin lymphoma [Jacobson] 689 (Je)

Immunoglobulins, Light-Chain
Abstracts from the College of American Pathologists 2003 Annual Meeting (CAP '03), 139 (Fe)
Detection of clonality with κ and λ immunohistochemical analysis in cutaneous plasmacytomas [Bayer-Garner] 645 (Je)
Flow cytometric evaluation of posttransplant B-cell lymphoproliferative disorders [Kaleem] 181 (Fe)

Immunohistochemistry
Abstracts from the College of American Pathologists 2003 Annual Meeting (CAP '03), 139 (Fe)
Advancing Practice, Instruction, and Innovation Through Informatics (APIII 2003): scientific session and e-poster abstracts, 1089 (Oc)
Amiodarone-induced thyrotoxicosis and thyroid cancer: clinical, immunohistochemical, and molecular genetic studies of a case and review of the literature [Saad] 807 (Jy)
Applications of flow cytometry and immunohistochemistry to diagnostic hematopathology [Dunphy] 1004 (Se)
Comparative assays for the *HER-2/neu* oncogene status in breast cancer [Vera-Roman] 627 (Je)
Cystic nephroma: a histologic and immunohistochemical study of 10 cases [Mukhopadhyay] 1404 (De)
Detection of clonality with κ and λ immunohistochemical analysis in cutaneous plasmacytomas [Bayer-Garner] 645 (Je)
Granular cell tumor: immunohistochemical assessment of inhibin- α , protein gene product 9.5, S100 protein, CD68, and Ki-67 proliferative index with clinical correlation [Le] 771 (Jy); correction, 844 (Au)
Immunohistochemical analysis of lung carcinomas with pure or partial bronchioloalveolar differentiation [Santopoulos] 406 (Ap)
Immunohistochemical characterization of p57^{KIP2} expression in tetraploid hydropic placentas [Fukunaga] 897 (Au)
Immunohistochemical expression of matrix metalloproteinases 1, 2, 9, and 14 in dermatofibrosarcoma protuberans and common fibrous histiocytoma (dermatofibroma) [Weinrach] 1136 (Oc)
Macrofollicular variant of papillary carcinoma of the thyroid: a histologic, cytologic, and immunohistochemical study of 3 cases and review of the literature [Lugli] 54 (Ja)
Malignant melanoma with a rhabdoid phenotype: histologic, immunohistochemical, and ultrastructural study of a case and review of the literature [Abbott] 686 (Je)
Oncocytic transformation in pituitary adenomas: immunohistochemical analyses of 65 cases [Niveiro] 776 (Jy)
Routine syndecan-1 immunohistochemistry AIDS in the diagnosis of chronic endometritis [Bayer-Garner] 1000 (Se)
The spectrum of Kit (CD117) immunoreactivity in lung and pleural tumors: a study of 96 cases using a single-source antibody with a review of the literature [Butnor] 538 (My)

Immunologic Deficiency Syndromes
Current applications of flow cytometry in the diagnosis of primary immunodeficiency diseases [Illloh] 23 (Ja)

Immunology
The immunology of fibrogenesis in alcoholic liver disease [Chedid] 1230 (No)

Immunophenotyping
Abstracts from the College of American Pathologists 2003 Annual Meeting (CAP '03), 139 (Fe)
Applications of flow cytometry and immunohistochemistry to diagnostic hematopathology [Dunphy] 1004 (Se)
Biphasic acute myeloid leukemia with near-tetraploidy and immunophenotypic transformation [Imkie] 448 (Ap)
Challenge in diagnosis of CD56⁺ lymphoproliferative

- disorders: two cases of CD56⁺CD33⁺ lymphoma/leukemia [Yang] e100 (Au)
- Flow cytometric evaluation of posttransplant B-cell lymphoproliferative disorders [Kaleem] 181 (Fe)
- Granular cell tumor: immunohistochemical assessment of inhibin- α , protein gene product 9.5, S100 protein, CD68, and Ki-67 proliferative index with clinical correlation [Le] 771 (Jy); correction, 844 (Au)
- Immunosuppression**
- Disseminated microsporidiosis in a pancreas/kidney transplant recipient [Carlson] e41 (Mr)
- Pathologic quiz case: a 54-year-old deceased man with diffuse subcortical lesions of the central nervous system; progressive multifocal leukoencephalopathy [Wang] e70 (Ap)
- Pathologic quiz case: a 54-year-old liver transplant recipient with diffuse thickening of the sigmoid colon: malakoplakia of the colon associated with liver transplant [Weinrach] e133 (Oc)
- Pathologic quiz case: progressive fatal encephalopathy in an immunosuppressed patient with a history of discoid lupus erythematosus: subacute granulomatous meningoencephalitis (*Acanthamoeba culbertsoni*) [Uscuplich] e109 (Se)
- Pathologic quiz case: a 63-year-old renal transplant recipient with a sore throat: posttransplantation lymphoproliferative disorder, plasmacytoma type, with prominent Russell body formation [Syed] e76 (Je)
- Pneumocystis carinii* infection: update and review [Wazir] 1023 (Se)
- Polymavirus in a lung transplant patient [Jani] 1463 (De)
- Posttransplant primary cutaneous Ki-1 (CD30)⁺/CD56⁺ anaplastic large cell lymphoma [Kim] e96 (Au)
- Reagent strips may not detect *Staphylococcus epidermidis* contamination of platelet concentrates [Tarrand] 852 (Au)
- Immunosuppressive Agents**
- Immunosuppressants testing in transplantation (letter) [Papadea] 1328 (De)
- In Memoriam see Obituary**
- In Situ Hybridization**
- Comparative assays for the HER-2/*neu* oncogene status in breast cancer [Vera-Román] 627 (Je)
- In Situ Hybridization, Fluorescence**
- Comparative assays for the HER-2/*neu* oncogene status in breast cancer [Vera-Román] 627 (Je)
- The value of fluorescence in situ hybridization and polymerase chain reaction in the diagnosis of B-cell non-Hodgkin lymphoma in fine-needle aspiration [Safley] 1395 (De)
- Inappropriate ADH Syndrome**
- Pathologic quiz case: progressive fatal encephalopathy in an immunosuppressed patient with a history of discoid lupus erythematosus: subacute granulomatous meningoencephalitis (*Acanthamoeba culbertsoni*) [Uscuplich] e109 (Se)
- Incidence**
- Differential trends in the intestinal and diffuse types of gastric carcinoma in the United States, 1973-2000: increase in the signet ring cell type [Henson] 765 (Jy)
- Individualized Therapies**
- Adding pharmacogenetics to the clinical laboratory: narrow therapeutic index medications as a place to start [Bukaveckas] 1330 (De)
- Effect of polymorphisms in the cytochrome P450 CYP2C9 gene on warfarin anticoagulation [Adcock] 1360 (De)
- Molecular diagnostics on lymphoid malignancies [Chan] 1379 (De)
- The -omics era and its impact [Kiechle] 1337 (De)
- Infarction**
- Renal pathologic spectrum in an autopsy series of patients with plasma cell dyscrasia [Herrera] 875 (Au)
- Infectious Diseases see Communicable Diseases**
- Inflammation**
- Epidemiologic metaplasia of the cervix [Ionescu] 1052 (Se)
- Isolated gastric malakoplakia: a case report and review of the literature [Gustavo] e153 (No)
- Pathologic quiz case: bladder tumor in a 41-year-old man: cystitis glandularis of intestinal type with mucin extravasation [Mukhopadhyay] e89 (Jy)
- Pathologic quiz case: a large recurrent thigh mass in a 79-year-old woman: inflammatory liposarcoma occurring as a component of a recurrent, well-differentiated, lipoma-like liposarcoma [Lovell] e21 (Ja)
- Sinusoidal dilatation and congestion in liver biopsy: is it always due to venous outflow impairment? [Kakar] 901 (Au)
- Textiloma (gossypiboma) mimicking recurrent intracranial tumor [Ribalta] 749 (Jy)
- Xanthogranulomatous funiculitis and orchepididymitis: report of 2 cases with immunohistochemical study and literature review [Nistal] 911 (Au)
- Inflammatory Bowel Diseases**
- Diffuse giant inflammatory polyposis: a challenging clinicopathologic diagnosis [Sheikholeslami] 1286 (No)
- Early nodular hyperplasia of the liver occurring with inflammatory bowel diseases in association with thioguanine therapy [Shastri] 49 (Ja)
- Inflammatory Myofibroblastic Tumor see Granuloma, Plasma Cell**
- Information Security see Computer Security**
- Informed Consent**
- How the pediatric autopsy yields valuable information in a vertically integrated health care system [Newton] 1239 (No)
- Infratentorial Neoplasms**
- Pathologic quiz case: infratentorial tumor in a middle-aged woman: oncocytic variant of choroid plexus papilloma [Buccoliero] 1448 (De)
- Inhibins**
- Evaluation of a dimeric inhibin-A assay for assessing fetal Down syndrome: establishment, comparison, and monitoring of median concentrations for normal pregnancies [Erickson] 415 (Ap)
- Granular cell tumor: immunohistochemical assessment of inhibin- α , protein gene product 9.5, S100 protein, CD68, and Ki-67 proliferative index with clinical correlation [Le] 771 (Jy); correction, 844 (Au)
- Pathologic quiz case: a 22-year-old woman with a large right adnexal mass: poorly differentiated Sertoli-Leydig cell tumor of the right ovary with retiform differentiation and heterologous elements (mucinous components) [Ching] e93 (Jy)
- Injections, Intravenous**
- Pathologic quiz case: repeated positive ethylene glycol levels by gas chromatography: central venous line contamination of blood samples by propylene glycol from intravenous lorazepam injections [Hilliard] e79 (Je)
- Inlet Patch see Congenital, Hereditary, and Neonatal Diseases and Abnormalities**
- Insulinoma**
- Cellular proliferative fraction measured with topoisomerase II α predicts malignancy in endocrine pancreatic tumors [Diaz-Rubio] 426 (Ap)
- Integrated Health Care Systems see Delivery of Health Care**
- Interferons**
- Severe acute respiratory syndrome: overview with an emphasis on the Toronto experience [Mazzulli] 1346 (De)
- International Classification of Diseases**
- Pathology informatics questions and answers from the University of Pittsburgh pathology residency informatics rotation [Harrison] 71 (Ja)
- International Normalized Ratio**
- In-house calibration of the international sensitivity index or calibration curve for determination of the international normalized ratio [Brien] 308 (Mr)
- International Sensitivity Index see Reference Standards**
- Internet**
- Abstracts from the College of American Pathologists 2003 Annual Meeting (CAP '03), 139 (Fe)
- Advancing Practice, Instruction, and Innovation Through Informatics (APIII 2003): scientific session and e-poster abstracts, 1089 (Oc)
- Analysis of on-line clinical laboratory manuals and practical recommendations [Beckwith] 476 (Ap)
- Pathology informatics questions and answers from the University of Pittsburgh pathology residency informatics rotation [Harrison] 71 (Ja)
- Internship and Residency**
- Management training for pathology residents: a regional approach [Horowitz] 59 (Ja)
- Pathology informatics questions and answers from the University of Pittsburgh pathology residency informatics rotation [Harrison] 71 (Ja)
- Intestinal Diseases, Parasitic**
- Intestinal spirochetosis [Guzman] 1188 (Oc)
- Intestinal spirochetosis [Nodt] 823 (Jy)
- Intestinal Neoplasms**
- Advanced gastric carcinoma with a complete intestinal metaplasia phenotype associated with early intestinal-type carcinoma [Riviera-Fueto] 218 (Fe)
- Primary small bowel carcinoid tumor with bilateral breast metastases: report of 2 cases with different clinical presentations [Mosunjac] 292 (Mr)
- Sarcomatoid carcinoma of the small intestine: a case report and review of the literature [Reid-Nicholson] 918 (Au)
- Small intestinal angiosarcoma leading to perforation and acute abdomen: a case report and review of the literature [Kelemen] 95 (Ja)
- Intestinal Polyposis**
- Diffuse giant inflammatory polyposis: a challenging clinicopathologic diagnosis [Sheikholeslami] 1286 (No)
- Intracranial Arteriosclerosis**
- Myocardial and cerebral infarction due to nonbacterial thrombotic endocarditis as an initial presentation of pancreatic adenocarcinoma [Chen] 1307 (No)
- Intracranial Hemorrhages**
- Pathologic quiz case: a 64-year-old man with hematuria, intracranial hemorrhage, and severe coagulation abnormalities: long-acting warfarin-like rodenticide toxicity [Kurbegow] e181 (De)
- Intracranial Neoplasms see Brain Neoplasms**
- Intrauterine Infection see Fetal Diseases**
- Intussusception**
- Pathologic quiz case: a 27-year-old man with abdominal pain: Peutz-Jeghers syndrome [Boyanton] 483 (Ap)
- Inventories, Hospital**
- College of American Pathologists Laboratory Accreditation checklist item TRM.44955: phase I requirement on bacterial detection in platelets [Shulman] 958 (Se)
- Iran**
- A flower-like parasite with bladed petals [Daneshbod] 939 (Au)
- Leishmania in the glomerulus [Kumar] 935 (Au)
- Iron**
- Erythrophagocytosis in Gaucher cells [Bitton] 1191 (Oc)
- Iron Deficiency see Anemia, Iron Deficiency**
- Iron Overload**
- Coexistent hereditary hemochromatosis and α_1 -antitrypsin deficiency [Shen] 491 (Ap)
- Ischemia**
- Pathologic quiz case: a 59-year-old man with a 2-week history of right iliac fossa pain: nonsteroidal anti-inflammatory drug-induced colonic ulcer [Lipper] e39 (Fe)
- Pathologic quiz case: a 27-year-old man with abdominal pain: Peutz-Jeghers syndrome [Boyanton] 483 (Ap)
- Isoenzymes**
- Biochemical markers of myocardial injury test turnaround time: a College of American Pathologists Q-Probes study of 7020 troponin and 4368 creatine kinase-MB determinations in 159 institutions [Novis] 158 (Fe)
- Isolation and Purification**
- Clostridium botulinum* and the clinical laboratorian: a detailed review of botulism, including biological warfare ramifications of botulinum toxin [Caya] 653 (Je)
- Disseminated microsporidiosis in a pancreas/kidney transplant recipient [Carlson] e41 (Mr)
- Pathologic quiz case: multiple cutaneous lesions in a 27-year-old woman: cutaneous *Histoplasma capsulatum* [Stephany] e15 (Ja)
- Pathologic quiz case: a 13-year-old boy with a 2-day history of fever, vomiting, and mental status changes: *Chromobacterium violaceum* bacteremia [Crier] e131 (Oc)
- The use of polarization microscopy in the diagnosis of *Pneumocystis pneumonia* [An] 363 (Mr)
- Ito Cells see Adipocytes**
- J**
- Jaundice**
- Pathologic quiz case: a 30-year-old man with lower abdominal and back pain: anaplastic large cell lymphoma (Ki-1 lymphoma) of the pancreas [Parwani] e179 (De)
- JC Virus**
- Evidence for involvement of transforming growth factor β 1 signaling pathway in activation of JC virus in human immunodeficiency virus 1-associated progressive multifocal leukoencephalopathy [Enam] 282 (Mr)
- Pathologic quiz case: a 54-year-old deceased man with diffuse subcortical lesions of the central nervous system; progressive multifocal leukoencephalopathy [Wang] e70 (Ap)
- Stability of JC virus coding sequences in a case of progressive multifocal leukoencephalopathy in which the viral control region was rearranged markedly [Zheng] 275 (Mr)
- Jejunal Diseases**
- Pathologic quiz case: a 27-year-old man with abdominal pain: Peutz-Jeghers syndrome [Boyanton] 483 (Ap)
- Jejunal Neoplasms**
- Jejunal gastrointestinal stromal tumor: a cause of obscure gastrointestinal bleeding [Sass] 214 (Fe)
- Sarcomatoid carcinoma of the small intestine: a case report and review of the literature [Reid-Nicholson] 918 (Au)
- Joint Commission on Accreditation of Health Organizations**
- An improved failure mode effects analysis for hospitals [Krouwer] 663 (Je)
- Joint Photographic Experts Group (JPEG) see Image Processing, Computer Assisted**
- Joints**
- Use of polymerase chain reaction to diagnose tuberculous arthritis from joint tissues and synovial fluid [Tietow] 205 (Fe)

JPEG see Image Processing, Computer Assisted Jugular Vein

Pathologic quiz case: an 18-year-old man presenting with sepsis following a recent pharyngeal infection: Lemierre syndrome [Plymyer] 813 (Jy)

Juxtaglomerular Cell Tumor see **Kidney Neoplasms**

K

Kala-Azar see Leishmaniasis

Karyotyping

47,XXY with associated bilateral renal agenesis [Barroeta] e44 (Mr)

Immunohistochemical characterization of p57^{ko} expression in tetraploid hydropic placentas [Fukunaga] 897 (Au)

Intrascrotal lipoblastoma with a complex karyotype: a case report and review of the literature [Somers] 797 (Jy)

Pathologic quiz case: multiple congenital birth defects in a full-term infant: urorectal septum malformation sequence [He] e73 (Ap)

Renal tumor with overlapping distal nephron morphology and karyotype [Lindgren] 1274 (No)

Keratin

Abstracts from the College of American Pathologists 2003 Annual Meeting (CAP '03), 139 (Fe)

Chondroid syringoma: cytokeratin 20 immunolocalization of Merkel cells and reappraisal of apocrine folliculo-sebaceous differentiation [Salama] 986 (Se)

Clear cell papulosis of the skin: a case report from Singapore [Kumarasinghe] e149 (No)

Cystic nephroma: a histologic and immunohistochemical study of 10 cases [Mukhopadhyay] 1404 (De)

Leukemoid reaction: a diagnostic clue in metastatic carcinoma mimicking classic Hodgkin lymphoma [Mukhopadhyay] 1445 (De)

Pathologic quiz case: a 73-year-old man with a bladder mass: combined primary small cell neuroendocrine carcinoma and high-grade papillary urothelial carcinoma of the urinary bladder [Lau] 1055 (Se)

Pathologic quiz case: a 39-year-old man with diffuse pleural thickening and massive hemothorax: epithelioid angiosarcoma of pleura [Chen] 1299 (No)

Primary small cell neuroendocrine carcinoma of the vagina: a clinicopathologic study [Bing] 857 (Au)

Sarcomatoid carcinoma of the small intestine: a case report and review of the literature [Reid-Nicholson] 918 (Au)

Keratinocytes

Routine syndecan-1 immunohistochemistry AIDS in the diagnosis of chronic endometritis [Bayer-Garner] 1000 (Se)

Keratosis

Pathologic quiz case: a 30-year-old man with a white plaque in the oral mucosa: smokeless tobacco keratosis [Sheth] e17 (Ja)

Ki-67 Antigen

Abstracts from the College of American Pathologists 2003 Annual Meeting (CAP '03), 139 (Fe)

Granular cell tumor: immunohistochemical assessment of inhibin- α , protein gene product 9.5, S100 protein, CD68, and Ki-67 proliferative index with clinical correlation [Le] 771 (Jy); correction, 844 (Au)

Kidney

47,XXY with associated bilateral renal agenesis [Barroeta] e44 (Mr)

Pathologic quiz case: an unsuspected cause of nephrotic syndrome: heterozygous Fabry disease [Thamboo] 593 (My)

Kidney, Cystic

Pathologic quiz case: lytic femoral lesion and renal cysts in a 66-year-old man: occult follicular carcinoma of the thyroid [Rund] 359 (Mr)

Kidney Diseases

A 59-year-old woman with immunotactoid glomerulopathy, heavy-chain disease, and non-Hodgkin lymphoma [Jacobson] 689 (Je)

Leishmania in the glomerulus [Kumar] 935 (Au)

Pathologic quiz case: multiple congenital birth defects in a full-term infant: urorectal septum malformation sequence [He] e73 (Ap)

Pathologic quiz case: renal impairment after bone marrow transplantation: bone marrow transplant nephropathy [Chan] 233 (Fe)

Pathology of plasma cell dyscrasia: how much can we learn from autopsy studies? 1082 (Oc); correction [Picken] 1322 (De)

Renal pathologic spectrum in an autopsy series of patients with plasma cell dyscrasia [Herrera] 875 (Au)

Kidney Failure

Pathologic quiz case: a 77-year-old woman with bilateral breast masses: amyloidosis involving the breast [Fleury] e67 (Ap)

Pathology of plasma cell dyscrasia: how much can we learn from autopsy studies? 1082 (Oc); correction [Picken] 1322 (De)

Phenotypic overview—metabolite interference in some immunoassays could be clinically important (letter) [Roberts] (reply) [Soldin] 734 (Jy)

Spurious hypocalcemia after Omniscan- or OptiMARK-enhanced magnetic resonance imaging: an algorithm for minimizing a false-positive laboratory value [Emerson] 1151 (Oc)

Kidney Glomerulus

A 59-year-old woman with immunotactoid glomerulopathy, heavy-chain disease, and non-Hodgkin lymphoma [Jacobson] 689 (Je)

Kidney Neoplasms

Abstracts from the College of American Pathologists 2003 Annual Meeting (CAP '03), 139 (Fe)

Clear cell renal cell carcinoma with syncytial giant cells: a case report and review of the literature [Shen] 1435 (De)

Cystic nephroma: a histologic and immunohistochemical study of 10 cases [Mukhopadhyay] 1404 (De)

Pathologic quiz case: an 82-year-old woman with a renal mass: renal cell carcinoma with rhabdoid features [Lee] 109 (Ja)

Pathologic quiz case: a 56-year-old man with bilateral renal masses: bilateral renal oncocytosis [Dimashkieh] e177 (De)

Pathologic quiz case: a 44-year-old woman with an incidental asymptomatic renal mass: atypical epithelioid angiomylipoma [Aljerian] 1176 (Oc)

Pathologic quiz case: renal mass in a 3-week-old infant: congenital mesoblastic nephroma, mixed type [Muni-venkatappa] 929 (Au)

Pathologic quiz case: renal mass in an otherwise healthy man: epithelioid angiomylipoma [Rubinas] e19 (Ja)

Pathologic quiz case: right renal mass found incidentally in a 44-year-old woman: metanephric adenoma [Angeles] 926 (Au)

Pathologic quiz case: a symptomatic renal tumor: juxtaglomerular cell tumor [Kuten] e112 (Se)

Renal tumor with overlapping distal nephron morphology and karyotype [Lindgren] 1274 (No)

Kidney Transplantation

Disseminated microsporidiosis in a pancreas/kidney transplant recipient [Carlson] e41 (Mr)

Pathologic quiz case: a 17-year-old renal transplant patient with persistent fever, pancytopenia, and axillary lymphadenopathy: bacillary angiomatosis of the lymph node in the renal transplant recipient [Juskevicius] e12 (Ja)

Pathologic quiz case: a 63-year-old renal transplant recipient with a sore throat: posttransplantation lymphoproliferative disorder, plasmacytoma type, with prominent Russell body formation [Syed] e76 (Je)

Posttransplant primary cutaneous Ki-1 (CD30)⁺/CD56⁺ anaplastic large cell lymphoma [Kim] e96 (Au)

Primary adenocarcinoma of cutaneous vesicostomy 40 years later: a rare case [Yohannes] e58 (Ap)

Killer Cells, Natural

Applications of flow cytometry and immunohistochemistry to diagnostic hematopathology [Dunphy] 1004 (Se)

Challenge in diagnosis of CD56⁺ lymphoproliferative disorders: two cases of CD56⁺CD33⁺ lymphoma/leukemia [Yang] e100 (Au)

Ki1 (CD117) see Proto-Oncogene Protein c-kit

Klinefelter Syndrome

47,XXY with associated bilateral renal agenesis [Barroeta] e44 (Mr)

Korea

Detection of tumor markers including carcinoembryonic antigen, APC, and cyclin D2 in fine-needle aspiration fluid of breast [Lee] 1251 (No)

K-ras see Genes, ras

Kupffer Cells

The immunology of fibrogenesis in alcoholic liver disease [Chedid] 1230 (No)

L

Labor, Premature

Twin pregnancy with partial hydatidiform mole and co-existent fetus [Chu] 1305 (No)

Laboratory Information Systems see Clinical Laboratory Information Systems

Laboratory Operations see Laboratory Techniques and Procedures

Laboratory Personnel

Evaluation of add-on testing in the clinical chemistry laboratory of a large academic medical center: operational considerations [Melanson] 885 (Au)

Use of physician extenders in surgical pathology practice [Grzybicki] 165 (Fe)

Laboratory Techniques and Procedures

Advancing Practice, Instruction, and Innovation Through Informatics (APILI 2003): scientific session and e-poster abstracts, 1089 (Oc)

Analysis of on-line clinical laboratory manuals and practical recommendations [Beckwith] 476 (Ap)

Biochemical markers of myocardial injury test turnaround time: a College of American Pathologists Q-Probes study of 7020 troponin and 4368 creatine kinase-MB determinations in 159 institutions [Novis] 158 (Fe)

Calibration verification performance relates to proficiency testing performance [Kroll] 544 (My)

Comparative assays for the HER-2/neu oncogene status in breast cancer [Vera-Roman] 627 (Je)

Comparison of performance of conventional and Thin-Prep gynecologic preparations in the College of American Pathologists Gynecologic Cytology Program [Renshaw] 17 (Ja)

Evaluation of add-on testing in the clinical chemistry laboratory of a large academic medical center: operational considerations [Melanson] 885 (Au)

Evaluation of linearity in the clinical laboratory [Jhang] 44 (Ja)

Evaluation of linearity in the clinical laboratory (letter) [Tholen] (reply) [Jhang] 1078 (Oc)

Hemoglobin C and hemoglobin O-Arab variants can be diagnosed using the Bio-Rad Variant II high-performance liquid chromatography system without further confirmatory tests [Joutovsky] 435 (Ap)

Laboratory and clinical aspects of B-type natriuretic peptides [Elin] 697 (Je)

The -omics era and its impact [Kiechle] 1337 (De)

Physician survey of a laboratory medicine interpretive service and evaluation of the influence of interpretations on laboratory test ordering [Laposata] 1424 (De)

Quality control analysis of the potential for asbestos contamination during tissue processing in pathology laboratories [Dodson] 781 (Jy)

Reflectance spectroscopy of clotting blood: a description of the time-dependent behavior [Greco] 173 (Fe)

Steroid profiles using liquid chromatography-tandem mass spectrometry with atmospheric pressure photo-ionization source [Guo] 469 (Ap)

Laboratory Test Ordering see Laboratory Techniques and Procedures

Lack-of-Fit Tests see Data Interpretation, Statistical

Laminaria

Polarizable placental particles: a case study and brief review of the literature [Jarzebowski] 675 (Je)

Laptop Computers see Microcomputers

Larva

Displaced bacterial colonies indicating *Strongyloides* larval migration on agar plates [Mariappan] 711 (Je)

Laryngeal Neoplasms

Epiglottic histioplasmosis presenting in a nonendemic region: a clinical mimic of laryngeal carcinoma [O'Hara] 574 (My)

Primary combined squamous and small cell carcinoma of the larynx: a case report and review of the literature [Jaiswal] 1279 (No)

Laser Capture Microdissection see Microdissection

Lauren Classification see Classification

Laxatives see Cathartics

Leiomyoma

Nodular histiocytic hyperplasia of the endometrium [Fukunaga] 1032 (Se)

Pathologic quiz case: a 40-year-old woman with a large pelvic mass, ascites, massive right hydrothorax, and elevated CA 125: uterine symplastic leiomyoma associated with pseudo-Meigs syndrome and elevated CA 125 [Weinrach] 933 (Au)

Pathologic quiz case: a 40-year-old woman with an unusual uterine tumor: uterine angiolipoleiomyoma with focal atypical leiomyoma [Ren] e31 (Fe)

Pathologic quiz case: a 70-year-old woman with postmenopausal bleeding: endometrial intraepithelial carcinoma, clear cell type [Mold] e157 (No)

Pathologic quiz case: a 69-year-old asymptomatic man with a scrotal mass: atypical (sympylastic or bizarre) leiomyoma of the scrotum [Fadare] e37 (Fe)

Leiomyosarcoma

Malignant gastrointestinal leiomyosarcoma and gastrointestinal stromal tumor with prominent osteoclast-like giant cells [Insabato] 440 (Ap)

Leishmaniasis

Leishmania in the glomerulus [Kumar] 935 (Au)

Lemierre Syndrome

Pathologic quiz case: an 18-year-old man presenting with sepsis following a recent pharyngeal infection: Lemierre syndrome [Plymyer] 813 (Jy)

Length of Stay

Abstracts from the College of American Pathologists 2003 Annual Meeting (CAP '03), 139 (Fe)

Lepirudin

Effects of pentasaccharide (fondaparinux) and direct thrombin inhibitors on coagulation testing [Gosselin] 1142 (Oc)

Lethargy see Sleep Stages

Leukemia

Challenge in diagnosis of CD56⁺ lymphoproliferative disorders: two cases of CD56⁺CD33⁺ lymphoma/leukemia [Yang] e100 (Au)
Cytosine arabinoside substitution decreases transcription factor-DNA binding element complex formation [Zhang] 1364 (De)

Leukemia, B-Cell, Acute

Burkitt leukemia [Fluang] 1459 (De)

Leukemia, Erythroid, Acute

Pure erythroid leukemia [Huang] 241 (Fe)

Leukemia, Lymphoblastic, Acute

Burkitt leukemia [Fluang] 1459 (De)
Molecular diagnostics on lymphoid malignancies [Chan] 1379 (De)

Leukemia, Lymphocytic, Acute

Applications of flow cytometry and immunohistochemistry to diagnostic hematopathology [Dunphy] 1004 (Se)

Leukemia, Lymphocytic, Chronic

Abstracts from the College of American Pathologists 2003 Annual Meeting (CAP '03), 139 (Fe)

Applications of flow cytometry and immunohistochemistry to diagnostic hematopathology [Dunphy] 1004 (Se)

Molecular diagnostics on lymphoid malignancies [Chan] 1379 (De)

Leukemia, Myelocytic, Acute

Biphasic acute myeloid leukemia with near-tetraploidy and immunophenotypic transformation [Imkie] 448 (Ap)

Leukemia, Myelogenous, Acute

Applications of flow cytometry and immunohistochemistry to diagnostic hematopathology [Dunphy] 1004 (Se)

Leukemia, Myeloid, Chronic

Pathologic quiz case: a 29-year-old woman with thrombocytosis: chronic myelogenous leukemia [Baila] e63 (Ap)

Progression of chronic myeloid leukemia to blast crisis during treatment with imatinib mesylate [Xu] 980 (Se)

Leukemia, Myelomonocytic, Chronic

Applications of flow cytometry and immunohistochemistry to diagnostic hematopathology [Dunphy] 1004 (Se)

Leukemoid Reaction

Leukemoid reaction: a diagnostic clue in metastatic carcinoma mimicking classic Hodgkin lymphoma [Mukhopadhyay] 1445 (De)

Leukocyte-Adhesion Deficiency Syndrome

Current applications of flow cytometry in the diagnosis of primary immunodeficiency diseases [Illloh] 23 (Ja)

Leukocytes

Leukemoid reaction: a diagnostic clue in metastatic carcinoma mimicking classic Hodgkin lymphoma [Mukhopadhyay] 1445 (De)

Leukocytosis

Pathologic quiz case: a 29-year-old woman with thrombocytosis: chronic myelogenous leukemia [Baila] e63 (Ap)

Progression of chronic myeloid leukemia to blast crisis during treatment with imatinib mesylate [Xu] 980 (Se)

Leukoencephalopathy, Progressive Multifocal

Evidence for involvement of transforming growth factor β 1 signaling pathway in activation of JC virus in human immunodeficiency virus 1-associated progressive multifocal leukoencephalopathy [Enam] 262 (Mr)

Pathologic quiz case: a 54-year-old deceased man with diffuse subcortical lesions of the central nervous system; progressive multifocal leukoencephalopathy [Wang] e70 (Ap)

Stability of JC virus coding sequences in a case of progressive multifocal leukoencephalopathy in which the viral control region was rearranged markedly [Zheng] 275 (Mr)

Levy Body Disease

Comorbidity in dementia: an autopsy study [Fu] 32 (Ja)

Leydig Cell Tumor

Abstracts from the College of American Pathologists 2003 Annual Meeting (CAP '03), 139 (Fe)

Pathologic quiz case: incidental bilateral testicular nodules in an African American man: large cell calcifying Sertoli cell tumor [Aydin] 587 (My)
Pathologic quiz case: patient with testicular pain: benign Leydig cell tumor [Adeagbo] 105 (Ja)

Linear Models

Advancing Practice, Instruction, and Innovation Through Informatics (APIII 2003): scientific session and e-poster abstracts, 1089 (Oc)

Evaluation of linearity in the clinical laboratory [Jhang] 44 (Ja)

Evaluation of linearity in the clinical laboratory (letter) [Tholen] (reply) [Jhang] 1078 (Oc)

Linguistics

Advancing Practice, Instruction, and Innovation Through Informatics (APIII 2003): scientific session and e-poster abstracts, 1089 (Oc)

Lipase

Determination of plasma glycoprotein 2 levels in patients with pancreatic disease [Hao] 668 (Je)

Lipids

Gastric lipid islands [Chandan] 937 (Au)

Lipoblastoma

Intrascrotal lipoblastoma with a complex karyotype: a case report and review of the literature [Somers] 797 (Jy)

Lipocytes see Adipocytes

Lipoma

Pathologic quiz case: a large recurrent thigh mass in a 79-year-old woman: inflammatory liposarcoma occurring as a component of a recurrent, well-differentiated, lipoma-like liposarcoma [Lovell] e21 (Ja)

Lipoprotein Lipase

Lipoprotein lipase gene polymorphism and lipid profile in coronary artery disease [Duman] 869 (Au)

Lipoproteins, VLDL

Lipoprotein lipase gene polymorphism and lipid profile in coronary artery disease [Duman] 869 (Au)

Liposarcoma

Dedifferentiated liposarcoma with a paraganglioma-like histologic pattern: a case report and review of the literature [Lit] 788 (Jy)

Large esophageal liposarcoma: a case report and review of the literature [Garcia] 922 (Au)

Pathologic quiz case: a large recurrent thigh mass in a 79-year-old woman: inflammatory liposarcoma occurring as a component of a recurrent, well-differentiated, lipoma-like liposarcoma [Lovell] e21 (Ja)

Liquid-Based Cytology Preparations see Vaginal Smears

Literacy see Educational Status

Littoral Cells

Pathologic quiz case: multiple splenic lesions in a bacteremic patient: littoral cell angioma of the spleen [Fadare] 1183 (Oc)

Liver Circulation

Radiographically occult, diffuse intrasinusoidal hepatic metastases from primary breast carcinomas: a clinicopathologic study of 3 autopsy cases [Allison] 1418 (De)
Sinusoidal dilatation and congestion in liver biopsy: is it always due to venous outflow impairment? [Kakar] 901 (Au)

Liver Cirrhosis

The immunology of fibrogenesis in alcoholic liver disease [Chedid] 1230 (No)

On the origin of hepatic fibrosis [Guzman] 1212 (No)

Pathologic quiz case: a 54-year-old liver transplant recipient with diffuse thickening of the sigmoid colon: malakoplakia of the colon associated with liver transplant [Weinrach] e133 (Oc)

Liver Diseases

Advancing Practice, Instruction, and Innovation Through Informatics (APIII 2003): scientific session and e-poster abstracts, 1089 (Oc)

Clinicopathologic study of hepatic *Penicillium marneffei* in northern Thailand [Yousukh] 191 (Fe)

Disseminated microsporidiosis in a pancreas/kidney transplant recipient [Carlson] e41 (Mr)

Early nodular hyperplasia of the liver occurring with inflammatory bowel diseases in association with thioguanine therapy [Shastri] 49 (Ja)

On the origin of hepatic fibrosis [Guzman] 1212 (No)

Peliosis hepatis associated with lymphoplasmacytic lymphoma: an autopsy case report [Corpa] 1283 (No)

Sinusoidal dilatation and congestion in liver biopsy: is it always due to venous outflow impairment? [Kakar] 901 (Au)

Liver Diseases, Alcoholic

The immunology of fibrogenesis in alcoholic liver disease [Chedid] 1230 (No)

Liver Failure

Radiographically occult, diffuse intrasinusoidal hepatic metastases from primary breast carcinomas: a clinicopathologic study of 3 autopsy cases [Allison] 1418 (De)

Liver Neoplasms

Clear cell renal cell carcinoma with syncytial giant cells: a case report and review of the literature [Shen] 1435 (De)

Fibrolamellar hepatocellular carcinoma occurring 5 years after hepatocellular adenoma in a 14-year-old girl: a case report with comparative genomic hybridization analysis [Terracciano] 222 (Fe)

Myocardial and cerebral infarction due to nonbacterial

thrombotic endocarditis as an initial presentation of pancreatic adenocarcinoma [Chen] 1307 (No)

Pathologic quiz case: multiple liver and lung nodules: epithelioid hemangioendothelioma of the liver [Blaney] e183 (De)

Primary glomangioma of the liver: a case report and review of the literature [Jaiswal] e46 (Mr)

Liver Transplantation

Pathologic quiz case: a 54-year-old liver transplant recipient with diffuse thickening of the sigmoid colon: malakoplakia of the colon associated with liver transplant [Weinrach] e133 (Oc)

Total fibrous obliteration of main portal vein and portal foam cell venopathy in chronic hepatic allograft rejection [Jain] 64 (Ja)

Logic

Advancing Practice, Instruction, and Innovation Through Informatics (APIII 2003): scientific session and e-poster abstracts, 1089 (Oc)

Lorazepam

Pathologic quiz case: repeated positive ethylene glycol levels by gas chromatography: central venous line contamination of blood samples by propylene glycol from intravenous lorazepam injections [Hilliard] e79 (Je)

Los Angeles

Abstracts from the College of American Pathologists 2003 Annual Meeting (CAP '03), 139 (Fe)

Loss of Heterozygosity

Allelic loss of the active X chromosome during bladder carcinogenesis [Cheng] 187 (Fe)

Carcinosarcoma of the urinary bladder following cyclophosphamide therapy: evidence for monoclonal origin and chromosome 9p allelic loss [Mukhopadhyay] e8 (Ja)

Loss of heterozygosity patterns of sclerosing hemangioma of the lung and bronchioloalveolar carcinoma indicate a similar molecular pathogenesis [Dacic] 880 (Au)

Molecular analysis to demonstrate that odontogenic keratocysts are neoplastic [Agaram] 313 (Mr)

Low Back Pain

Pathologic quiz case: back pain in a 48-year-old woman: myxopapillary ependymoma [Berns] 811 (Jy)

Pathologic quiz case: sacral/pelvic mass with lower back pain in a 36-year-old man: immature plasmacytoma [Wang] 237 (Fe)

Lumbar Vertebrae

Importance of immunohistochemical staining in metastatic anaplastic oligodendroglioma [Choon] 489 (Ap)

Lung Diseases

Analysis of deaths during the severe acute respiratory syndrome (SARS) epidemic in Singapore: challenges in determining a SARS diagnosis [Chong] 195 (Fe)

Comorbidity in dementia: an autopsy study [Fu] 32 (Ja)

Pathologic quiz case: giant mediastinal mass in a 69-year-old man: thymolipoma [Pai] e159 (No)

Polymavirus in a lung transplant patient [Jani] 1463 (De)

Pulmonary and ophthalmic involvement with Erdheim-Chester disease: a case report and review of the literature [Allen] 1428 (De)

Quality control analysis of the potential for asbestos contamination during tissue processing in pathology laboratories [Dodson] 781 (Jy)

Lung Diseases, Parasitic

A flower-like parasite with bladed petals [Daneshbod] 939 (Au)

Lung Fibrosis see Pulmonary Fibrosis

Lung Neoplasms

Abstracts from the College of American Pathologists 2003 Annual Meeting (CAP '03), 139 (Fe)

Bronchial epithelial-myoepithelial carcinoma [Ru] 92 (Ja)

Clear cell renal cell carcinoma with syncytial giant cells: a case report and review of the literature [Shen] 1435 (De)

Immunohistochemical analysis of lung carcinomas with pure or partial bronchioloalveolar differentiation [Sarantopoulos] 406 (Ap)

Loss of heterozygosity patterns of sclerosing hemangioma of the lung and bronchioloalveolar carcinoma indicate a similar molecular pathogenesis [Dacic] 880 (Au)

Multiple cavernous hemangiomas of the lung: a case report and review of the literature [Fine] 1439 (De)

Pathologic quiz case: a 50-year-old man with a lung mass, respiratory distress, and pericardial effusion: metastatic clear cell sarcoma (malignant melanoma of soft parts) [Parwani] e56 (Mr)

Pathologic quiz case: multiple liver and lung nodules: epithelioid hemangioendothelioma of the liver [Blaney] e183 (De)

The spectrum of Kit (CD117) immunoreactivity in lung and pleural tumors: a study of 96 cases using a single-source antibody with a review of the literature [Butnor] 538 (My)

Lung Transplantation

Polymavirus in a lung transplant patient [Jani] 1463 (De)

Lupus Coagulation Inhibitor

Effects of pentasaccharide (fondaparinux) and direct thrombin inhibitors on coagulation testing [Gosselin] 1142 (Oc)

Lupus Erythematosis, Discoid

Pathologic quiz case: progressive fatal encephalopathy in an immunosuppressed patient with a history of discoid lupus erythematosis: subacute granulomatous meningoencephalitis (*Acanthamoeba culbertsoni*) [Uschuplich] e109 (Se)

Lymph Node Metastasis

Loss of heterozygosity patterns of sclerosing hemangioma of the lung and bronchioloalveolar carcinoma indicate a similar molecular pathogenesis [Dacic] 880 (Au)

Lymph Nodes

Axillary intranodal cysts associated with breast malignancy [Colombo] 361 (Mr)

Melanosis coli involving pericolic lymph nodes associated with the herbal laxative Swiss Kriss: a rare and incidental finding in a patient with colonic adenocarcinoma [Ewing] 565 (My)

Pathologic quiz case: a 17-year-old renal transplant patient with persistent fever, pancytopenia, and axillary lymphadenopathy: bacillary angiomatosis of the lymph node in the renal transplant recipient [Juskevicius] e12 (Ja)

Plasmablastic lymphoma of the cervical lymph nodes in a human immunodeficiency virus-negative patient: a case report and review of the literature [Lin] 581 (My)

Lymphadenopathy see Lymphatic Diseases

Lymphangioma

Cystic adrenal lymphangioma [Garcia] 713 (Je)

Pathologic quiz case: an 87-year-old woman with a mass in the tail of the pancreas: pancreatic lymphangioma with "ovarian-like" stroma [Singh] e175 (De)

Lymphatic Diseases

Challenge in diagnosis of CD56⁺ lymphoproliferative disorders: two cases of CD56⁺ CD33⁺ lymphoma/leukemia [Yang] e100 (Au)

Leukemoid reaction: a diagnostic clue in metastatic carcinoma mimicking classic Hodgkin lymphoma [Mukhopadhyay] 1445 (De)

Pathologic quiz case: a 17-year-old renal transplant patient with persistent fever, pancytopenia, and axillary lymphadenopathy: bacillary angiomatosis of the lymph node in the renal transplant recipient [Juskevicius] e12 (Ja)

Lymphatic Metastasis

Abstracts from the College of American Pathologists 2003 Annual Meeting (CAP '03), 139 (Fe)

Collision metastasis of prostatic and colonic adenocarcinoma: report of 2 cases [Wade] 318 (Mr)

Macrolollicular variant of papillary carcinoma of the thyroid: a histologic, cytologic, and immunohistochemical study of 3 cases and review of the literature [Lugli] 54 (Ja)

Synchronous sentinel lymph node metastasis of lobular and ductal carcinoma [Mohan] 365 (Mr)

A unique collision tumor in breast: invasive ductal carcinoma and mucosa-associated lymphoid tissue lymphoma [Susnik] 99 (Ja)

Lymphocytes

Sclerosing mycopidermoid carcinoma of the parotid gland [Fadare] 1046 (Se)

Lymphoma

Challenge in diagnosis of CD56⁺ lymphoproliferative disorders: two cases of CD56⁺ CD33⁺ lymphoma/leukemia [Yang] e100 (Au)

Fluids—good and bad actors: observations from the College of American Pathologists Interlaboratory Comparison Program in Nongynecologic Cytology [Moriarty] 513 (My)

The -omics era and its impact [Kiechle] 1337 (De)

Lymphoma, B-Cell

Applications of flow cytometry and immunohistochemistry to diagnostic hematopathology [Dunphy] 1004 (Se)

Pathologic quiz case: a 50-year-old man with altered mental status and bilateral deep white matter lesions: primary central nervous system B-cell lymphoma [Cupita] 595 (My)

The value of fluorescence in situ hybridization and polymerase chain reaction in the diagnosis of B-cell non-Hodgkin lymphoma in fine-needle aspiration [Safley] 1395 (De)

Lymphoma, B-Cell, Marginal Zone

A unique collision tumor in breast: invasive ductal carcinoma and mucosa-associated lymphoid tissue lymphoma [Susnik] 99 (Ja)

Lymphoma, Follicular

Applications of flow cytometry and immunohistochem-

istry to diagnostic hematopathology [Dunphy] 1004 (Se)

A clinicopathologic evaluation of follicular lymphoma grade 3A versus grade 3B reveals no survival differences [Hsi] 863 (Au)

A 59-year-old woman with immunotactoid glomerulopathy, heavy-chain disease, and non-Hodgkin lymphoma [Jacobson] 689 (Je)

Follicular lymphoma with a Burkitt translocation—predictor of an aggressive clinical course: a case report and review of the literature [Voorhees] 210 (Fe)

One patient, two lymphomas: simultaneous primary gastric marginal zone lymphoma and primary duodenal follicular lymphoma [Tang] 1035 (Se)

The value of fluorescence in situ hybridization and polymerase chain reaction in the diagnosis of B-cell non-Hodgkin lymphoma in fine-needle aspiration [Safley] 1395 (De)

Lymphoma, Large-Cell

Applications of flow cytometry and immunohistochemistry to diagnostic hematopathology [Dunphy] 1004 (Se)

Histiocytic sarcoma associated with idiopathic myelofibrosis [Fukunaga] 1167 (Oc)

Pathologic quiz case: a 30-year-old man with lower abdominal and back pain: anaplastic large cell lymphoma (Ki-1 lymphoma) of the pancreas [Farwani] e179 (De)

Plasmablastic lymphoma of the cervical lymph nodes in a human immunodeficiency virus-negative patient: a case report and review of the literature [Lin] 581 (My)

Posttransplant primary cutaneous Ki-1 (CD30⁺/CD56⁺) anaplastic large cell lymphoma [Kim] e96 (Au)

Primary anaplastic lymphoma kinase-negative anaplastic large cell lymphoma of the brain in a patient with acquired immunodeficiency syndrome [Rowell] 324 (Mr)

Lymphoma, Large-Cell, Diffuse

Molecular diagnostics on lymphoid malignancies [Chan] 1379 (De)

Lymphoma, Lymphoplasmacytic

Peliosis hepatis associated with lymphoplasmacytic lymphoma: an autopsy case report [Corpa] 1283 (No)

Lymphoma, Mantle-Cell

Molecular diagnostics on lymphoid malignancies [Chan] 1379 (De)

The value of fluorescence in situ hybridization and polymerase chain reaction in the diagnosis of B-cell non-Hodgkin lymphoma in fine-needle aspiration [Safley] 1395 (De)

Lymphoma, Mucosa-Associated Lymphoid Tissue

One patient, two lymphomas: simultaneous primary gastric marginal zone lymphoma and primary duodenal follicular lymphoma [Tang] 1035 (Se)

A unique collision tumor in breast: invasive ductal carcinoma and mucosa-associated lymphoid tissue lymphoma [Susnik] 99 (Ja)

Lymphoma, Non-Hodgkin

Applications of flow cytometry and immunohistochemistry to diagnostic hematopathology [Dunphy] 1004 (Se)

A 59-year-old woman with immunotactoid glomerulopathy, heavy-chain disease, and non-Hodgkin lymphoma [Jacobson] 689 (Je)

The value of fluorescence in situ hybridization and polymerase chain reaction in the diagnosis of B-cell non-Hodgkin lymphoma in fine-needle aspiration [Safley] 1395 (De)

Lymphoma, Small Lymphocytic

Applications of flow cytometry and immunohistochemistry to diagnostic hematopathology [Dunphy] 1004 (Se)

The value of fluorescence in situ hybridization and polymerase chain reaction in the diagnosis of B-cell non-Hodgkin lymphoma in fine-needle aspiration [Safley] 1395 (De)

Lymphoma, T-Cell

Angioimmunoblastic T-cell lymphoma with cutaneous involvement: a case report with subtle histologic changes and clonal T-cell proliferation [Huang] e122 (Oc)

Advancing Practice, Instruction, and Innovation Through Informatics (APII 2003): scientific session and e-poster abstracts, 1089 (Oc)

Lymphoma, T-Cell, Cutaneous

Posttransplant primary cutaneous Ki-1 (CD30⁺/CD56⁺) anaplastic large cell lymphoma [Kim] e96 (Au)

Lymphoproliferative Disorders

Applications of flow cytometry and immunohistochemistry to diagnostic hematopathology [Dunphy] 1004 (Se)

Challenge in diagnosis of CD56⁺ lymphoproliferative disorders: two cases of CD56⁺ CD33⁺ lymphoma/leukemia [Yang] e100 (Au)

Current applications of flow cytometry in the diagnosis of primary immunodeficiency diseases [Illloh] 23 (Ja)

Flow cytometric evaluation of posttransplant B-cell lymphoproliferative disorders [Kaleem] 181 (Fe)

Pathologic quiz case: a 63-year-old renal transplant recipient with a sore throat: posttransplantation lymphoproliferative disorder, plasmacytoma type, with prominent Russell body formation [Syed] e76 (Je)

Posttransplant primary cutaneous Ki-1 (CD30⁺/CD56⁺) anaplastic large cell lymphoma [Kim] e96 (Au)

Lysosomal Storage Diseases

Erythrophagocytosis in Gaucher cells [Bitton] 1191 (Oc)

Pathologic quiz case: an unsuspected cause of nephrotic syndrome: heterozygous Fabry disease [Thamboo] 593 (My)

Lysosomes

Granular cell tumor: immunohistochemical assessment of inhibin- α , protein gene product 9.5, S100 protein, CD68, and Ki-67 proliferative index with clinical correlation [Le] 771 (Jy); correction, 844 (Au)

Lysozyme see Muramidase

M

Macrocephaly

Pathologic quiz case: a 27-week female fetus with massive macrocephaly and generalized anasarca: congenital immature intracranial teratoma with skull rupture and high output cardiac failure [Bhattacharya] 102 (Ja)

Macrolides

Abstracts from the College of American Pathologists 2003 Annual Meeting (CAP '03), 139 (Fe)

Macrophages

Early stage of Epstein-Barr virus lytic infection leading to the "starry sky" pattern formation in endemic Burkitt lymphoma [Fujita] 549 (My)

Gastric lipid islands [Chandan] 937 (Au)

In hematopathology, love is everywhere [Al-Quran] 1309 (No)

Magnetic Resonance Imaging

Extrasosseous (extramedullary) plasmacytoma of the adrenal gland [Rogers] e86 (Jy)

Spinal cord neuropathology in human West Nile virus infection (letter) [Arya] (reply) [Fratkin] 1210 (No)

Spurious hypocalcemia after Omniscan- or OptiMARK-enhanced magnetic resonance imaging: an algorithm for minimizing a false-positive laboratory value [Emerson] 1151 (Oc)

Magnetic Resonance Spectroscopy

Spinal cord neuropathology in human West Nile virus infection (letter) [Arya] (reply) [Fratkin] 1210 (No)

Magnetism see Gadopentetate Dimethylglumine

Major Histocompatibility Complex

Current applications of flow cytometry in the diagnosis of primary immunodeficiency diseases [Illloh] 23 (Ja)

Malakoplakia

Isolated gastric malakoplakia: a case report and review of the literature [Gustaf] e153 (No)

Pathologic quiz case: a 54-year-old liver transplant recipient with diffuse thickening of the sigmoid colon: malakoplakia of the colon associated with liver transplant [Weinrach] e133 (Oc)

Mammoplasty

Recurrent breast carcinoma arising in a transverse rectus abdominis myocutaneous flap [Chung] 1157 (Oc)

Managed Care Programs

Diagnosing allergic diseases in children: practical recommendations for consulting pathologists [Homburger] 1028 (Se)

Manpower see Laboratory Personnel

Manuals

Analysis of on-line clinical laboratory manuals and practical recommendations [Beckwith] 476 (Ap)

Mastectomy

Recurrent breast carcinoma arising in a transverse rectus abdominis myocutaneous flap [Chung] 1157 (Oc)

Matricoma

Pathologic quiz case: a 69-year-old man with a brown-black facial papule: melanocytic matricoma [Horenstein] e163 (No)

Matrix Metalloproteinases

Immunohistochemical expression of matrix metalloproteinases 1, 2, 9, and 14 in dermatofibrosarcoma protuberans and common fibrous histiocytoma (dermatofibroma) [Weinrach] 1136 (Oc)

Mature Cystic Teratoma see Teratoma

McClatchey, Kenneth Donald, 272 (Mr)

MEDENOX Study

Correlation of plasma coagulation parameters with thrombophylaxis, patient characteristics, and outcome in the MEDENOX study [Desjardins] 519 (My)

Mediastinal Cyst

Multilocular thymic cyst associated with mature mediastinal teratoma: a report of 2 cases [Rakheja] 227 (Fe)

Mediastinal Neoplasms

Giant cell tumor of rib masquerading as thymoma: a diagnostic pitfall in needle core biopsy of the mediastinum [Volmar] 452 (Ap)
Multicentric thymic cyst associated with mature mediastinal teratoma: a report of 2 cases [Rakheja] 227 (Fe)
Pathologic quiz case: giant mediastinal mass in a 69-year-old man: thymolipoma [Pai] e159 (No)

Mediastinum

Pathologic quiz case: giant mediastinal mass in a 69-year-old man: thymolipoma [Pai] e159 (No)

Medical Errors

Advancing Practice, Instruction, and Innovation Through Informatics (APIII 2003): scientific session and e-poster abstracts, 1089 (Oc)

The challenge of using autopsy information for quality improvement [Bove] 11 (Ja)

The challenge of using autopsy information for quality improvement (letter) [Horowitz] (reply) [Bove], 850 (Au)

Comparison of performance of conventional and ThinPrep gynecologic preparations in the College of American Pathologists Gynecologic Cytology Program [Renshaw] 17 (Ja)

Corrections of clinical chemistry test results in a laboratory information system [Wang] 890 (Au)

Cytologic features of high-grade squamous intraepithelial lesion in ThinPrep Papanicolaou test slides: comparison of cases that performed poorly with those that performed well in the College of American Pathologists Interlaboratory Comparison Program in Cervicovaginal Cytology [Renshaw] 746 (Jy)

Cytologic features of squamous cell carcinoma in ThinPrep slides: evaluation of cases that performed poorly versus those that performed well in the College of American Pathologists Interlaboratory Comparison Program in Cervicovaginal Cytology [Renshaw] 403 (Ap)

Giant cell tumor of rib masquerading as thymoma: a diagnostic pitfall in needle core biopsy of the mediastinum [Volmar] 452 (Ap)

Fibrous dysplasia with degenerative atypia: a benign lesion potentially mistaken for sarcoma [Bertoni] 794 (Jy)
How the pediatric autopsy yields valuable information in a vertically integrated health care system [Newton] 1239 (No)

An improved failure mode effects analysis for hospitals [Krouwer] 663 (Je)

Pathologic quiz case: bladder tumor in a 41-year-old man: cystitis glandularis of intestinal type with mucin extravasation [Mukhopadhyay] e89 (Jy)

Medical Informatics

Advancing Practice, Instruction, and Innovation Through Informatics (APIII 2003): scientific session and e-poster abstracts, 1089 (Oc)

Pathology abbreviated: a long review of short terms [Berman] 347 (Mr)

Pathology informatics questions and answers from the University of Pittsburgh pathology residency informatics rotation [Harrison] 71 (Ja)

Zero-Check: a zero-knowledge protocol for reconciling patient identities across institutions [Berman] 344 (Mr)

Zero-Check: a zero-knowledge protocol for reconciling patient identities across institutions (letter) [Apfelroth] (reply) [Berman] 954 (Se)

Medical Informatics Applications

Advancing Practice, Instruction, and Innovation Through Informatics (APIII 2003): scientific session and e-poster abstracts, 1089 (Oc)

Medical Record Linkage

Advancing Practice, Instruction, and Innovation Through Informatics (APIII 2003): scientific session and e-poster abstracts, 1089 (Oc)

Zero-Check: a zero-knowledge protocol for reconciling patient identities across institutions [Berman] 344 (Mr)

Zero-Check: a zero-knowledge protocol for reconciling patient identities across institutions (letter) [Apfelroth] (reply) [Berman] 954 (Se)

Medical Records Systems, Computerized

Advancing Practice, Instruction, and Innovation Through Informatics (APIII 2003): scientific session and e-poster abstracts, 1089 (Oc)

Modern data security [Klein] 338 (Mr)

Modern data security (letter) [Ulirsch] (reply) [Klein] 1080 (Oc)

Zero-Check: a zero-knowledge protocol for reconciling patient identities across institutions [Berman] 344 (Mr)

Zero-Check: a zero-knowledge protocol for reconciling patient identities across institutions (letter) [Apfelroth] (reply) [Berman] 954 (Se)

Megakaryocytes

Gastric myeloid metaplasia: a case report and review of the literature [Chatalein] 568 (My)

Meigs' Syndrome

Arch Pathol Lab Med—Vol 128, December 2004

Pathologic quiz case: a 40-year-old woman with a large pelvic mass, ascites, massive right hydrothorax, and elevated CA 125: uterine symplastic leiomyoma associated with pseudo-Meigs syndrome and elevated CA 125 [Weinraub] 933 (Au)

Melanoma

Fluids—good and bad actors: observations from the College of American Pathologists Interlaboratory Comparison Program in Nongynecologic Cytology [Moriarty] 513 (My)

Malignant melanoma with a rhabdoid phenotype: histologic, immunohistochemical, and ultrastructural study of a case and review of the literature [Abbott] 686 (Je)

Pathologic quiz case: a 63-year-old woman with a pigmented perineal lesion: extramammary Paget disease [Gumurdula] e23 (Ja)

Melanosis

Melanosis coli involving pericolic lymph nodes associated with the herbal laxative Swiss Kriss: a rare and incidental finding in a patient with colonic adenocarcinoma [Ewing] 565 (My)

Melena

Importance of immunohistochemical staining in metastatic anaplastic oligodendroglioma [Choon] 489 (Ap)

Membrane Glycoproteins

Frequent expression of human carcinoma-associated antigen, a mucin-type glycoprotein, in cells of prostatic carcinoma [Li] 1412 (De)

Overexpression of human carcinoma-associated antigen in urothelial carcinoma of the bladder [Yao] 785 (Jy)

Memory, Short-Term

Pathologic quiz case: progressive headaches in a 50-year-old woman: chordoid meningioma [Green] e115 (Se)

Menetrier Disease see Gastritis, Hypertrophic

Meninges

Secondary leptomeningeal sarcomatosis [Grier] 1303 (No)

Meningioma

Pathologic quiz case: progressive headaches in a 50-year-old woman: chordoid meningioma [Green] e115 (Se)

Meningitis

Pathologic quiz case: a 13-year-old boy with a 2-day history of fever, vomiting, and mental status changes: *Chromobacterium violaceum* bacteremia [Grier] e131 (Oc)

Meningoencephalitis

Balamuthia mandrillaris meningoencephalitis in an immunocompetent patient: an unusual clinical course and a favorable outcome [Jung] 466 (Ap)

Pathologic quiz case: headache in an 8-year-old child: primary amebic meningoencephalitis due to *Nagleria fowleri* [Stephany] e33 (Fe)

Pathologic quiz case: progressive fatal encephalopathy in an immunosuppressed patient with a history of discoid lupus erythematosus: subacute granulomatous meningoencephalitis (*Acanthamoeba culbertsoni*) [Uschupich] e109 (Se)

Merkel Cells

Chondroid syringoma: cytokeratin 20 immunolocalization of Merkel cells and reappraisal of apocrine folliculo-sebaceous differentiation [Salama] 986 (Se)

Mesothelioma

Fluids—good and bad actors: observations from the College of American Pathologists Interlaboratory Comparison Program in Nongynecologic Cytology [Moriarty] 513 (My)

Pathologic quiz case: a 53-year-old man with chest pain and cough: malignant (diffuse) pleural mesothelioma, biphasic variant, with heterologous differentiation [Schneider] 107 (Ja)

Pathologic quiz case: a patient with Down syndrome presenting with "idiopathic" pericarditis: primary pericardial malignant mesothelioma [Sharaf El-Dean] e107 (Au)

Solitary fibrous tumor of the auditory canal [Rezk] e169 (De)

The spectrum of Kit (CD117) immunoreactivity in lung and pleural tumors: a study of 96 cases using a single-source antibody with a review of the literature [Butnor] 538 (My)

Transforming growth factor α and epidermal growth factor receptor in reactive and malignant mesothelial proliferations [Cai] 68 (Ja)

Metaplasia

Advanced gastric carcinoma with a complete intestinal metaplasia phenotype associated with early intestinal-type carcinoma [Rivera-Hueto] 218 (Fe)

Epidermoid metaplasia of the cervix [Jonescu] 1052 (Se)

Pathologic quiz case: bladder tumor in a 41-year-old man: cystitis glandularis of intestinal type with mucin extravasation [Mukhopadhyay] e89 (Jy)

Pathologic quiz case: a solitary breast nodule in an elderly woman: fasciitis ossificans of the breast [Lui] e29 (Fe)

Prostate gland-like epithelium in the epididymis: a case report and review of the literature [Lee] e60 (Ap)

Methods see Laboratory Techniques and Procedures

Methylation

Detection of tumor markers including carcinoembryonic antigen, APC, and cyclin D2 in fine-needle aspiration fluid of breast [Lee] 1251 (No)

Metronidazole

Intestinal spirochetosis [Guzman] 1188 (Oc)

Mice, Knockout

Abstracts from the College of American Pathologists 2003 Annual Meeting (CAP '03), 139 (Fe)

Microbiological Techniques

Displaced bacterial colonies indicating *Strongyloides* larval migration on agar plates [Mariappan] 711 (Je)

Microcomputers

Advancing Practice, Instruction, and Innovation Through Informatics (APIII 2003): scientific session and e-poster abstracts, 1089 (Oc)

Microdissection

Microdissection genotyping of mixed glial and primitive neuroectodermal central nervous system neoplasm [Moham] 1161 (Oc)

Microdissection techniques for molecular testing in surgical pathology [Hunt] 1372 (De)

The -omics era and its impact [Kiechle] 1337 (De)

Micrometastasis see Neoplasm Metastasis

Microscopy

Abstracts from the College of American Pathologists 2003 Annual Meeting (CAP '03), 139 (Fe)

Advancing Practice, Instruction, and Innovation Through Informatics (APIII 2003): scientific session and e-poster abstracts, 1089 (Oc)

Virtual microscopy as a tool for proficiency testing in cytopathology (letter) [Grant] (reply) [Marchevsky] 1327 (De)

Microscopy, Electron

Quality control analysis of the potential for asbestos contamination during tissue processing in pathology laboratories [Dodson] 781 (Jy)

Microscopy, Fluorescence

Advancing Practice, Instruction, and Innovation Through Informatics (APIII 2003): scientific session and e-poster abstracts, 1089 (Oc)

Microscopy, Polarization

The use of polarization microscopy in the diagnosis of Pneumocystis pneumonia [An] 363 (Mr)

Microsporidiosis

Disseminated microsporidiosis in a pancreas/kidney transplant recipient [Carlson] e41 (Mr)

Microtubule-Associated Proteins

Survivin and Bcl-2 expression in prostatic adenocarcinomas [Kaur] 39 (Ja)

Middle Cerebral Artery

Pathologic quiz case: progressive headaches in a 50-year-old woman: chordoid meningioma [Green] e115 (Se)

Minocycline

Pathologic quiz case: tumor in pigmented thyroid gland in a young man: papillary thyroid carcinoma in a minocycline-induced, diffusely pigmented thyroid gland [Raghavan] 355 (Mr)

Mississippi

Spinal cord neuropathology in human West Nile virus infection (letter) [Arya] (reply) [Fratkin] 1210 (No)

Mitochondria

Oncocytic biliary cystadenocarcinoma: a case report and review of the literature [Bardin] e25 (Fe)

Mitral Valve

Myocardial and cerebral infarction due to nonbacterial thrombotic endocarditis as an initial presentation of pancreatic adenocarcinoma [Chen] 1307 (No)

Mixed Tumor, Müllerian

Pathologic quiz case: a right adnexal mass in a postmenopausal patient: malignant mixed müllerian tumor with heterologous elements arising in the fallopian tube [Humble] e161 (No)

Pathologic quiz case: a 34-year-old woman with abdominal pain and a large right multicystic ovarian mass: müllerian adenosarcoma arising in an endometriotic cyst [Al-Abbadi] 1057 (Se)

Modal Logic Theory see Logic

Models, Biological

Advancing Practice, Instruction, and Innovation Through Informatics (APIII 2003): scientific session and e-poster abstracts, 1089 (Oc)

Models, Statistical

Evaluation of linearity in the clinical laboratory (letter) [Tholen] (reply) [Jhang] 1078 (Oc)

Moexipril

Pathologic quiz case: an indurated plaque on the ankle of a 74-year-old woman: interstitial granulomatous drug reaction [Siam] e129 (Oc)

Molar Pregnancy see Hydatidiform Mole

Molecular Diagnostic Techniques

Microdissection techniques for molecular testing in surgical pathology [Hunt] 1372 (De)
 Molecular diagnostics on lymphoid malignancies [Chan] 1379 (De)
 The -omics era and its impact [Kiechle] 1337 (De)
Monoclonal Gammopathies
 Extracerebral (extramedullary) plasmacytoma of the adrenal gland [Rogers] e86 (Jy)
Monte Carlo Method
 Advancing Practice, Instruction, and Innovation Through Informatics (APIII 2003): scientific session and e-poster abstracts, 1089 (Oc)
Mood Disorders
 Pathologic quiz case: progressive headaches in a 50-year-old woman: chordoid meningioma [Green] e115 (Se)
Mortality
 Differential trends in the intestinal and diffuse types of gastric carcinoma in the United States, 1973-2000: increase in the signet ring cell type [Henson] 765 (Jy)
Mouth Mucosa
 Pathologic quiz case: a newborn with a midline buccal mucosa mass: congenital gingival granular cell tumor (congenital epulis) [Godra] 885 (My)
 Pathologic quiz case: a 30-year-old man with a white plaque in the oral mucosa: smokeless tobacco keratosis [Sheth] e17 (Ja)
MUC1 Gene
 MUC1 gene-derived glycoprotein assays for monitoring breast cancer [CA 15-3, CA 27.29, BR]: are they measuring the same antigen? [Klee] 1131 (Oc)
Mucins
 Frequent expression of human carcinoma-associated antigen, a mucin-type glycoprotein, in cells of prostatic carcinoma [Li] 1412 (De)
 Overexpression of human carcinoma-associated antigen in urothelial carcinoma of the bladder [Yao] 785 (Jy)
 Sclerosing mucopidermoid carcinoma of the parotid gland [Fadare] 1046 (Se)
Multiband Images see Diagnostic Imaging
Multinucleated Giant Cells see Giant Cells
Multiple Myeloma
 Abstracts from the College of American Pathologists 2003 Annual Meeting (CAP '03), 139 (Fe)
 Detection of clonality with κ and λ immunohistochemical analysis in cutaneous plasmacytomas [Bayer-Garner] 645 (Je)
 Extracerebral (extramedullary) plasmacytoma of the adrenal gland [Rogers] e86 (Jy)
 Renal pathologic spectrum in an autopsy series of patients with plasma cell dyscrasia [Herrera] 875 (Au)
 The scratch test [Pantowitz] 598 (My)
Multiplexed Imaging Systems see Diagnostic Imaging
Muramidase
 Paneth cell carcinoma of the ampulla of Vater [Mora] 908 (Au)
Muscle Hypotonia
 Pathologic quiz case: hepatosplenomegaly in an infant with hypotonia and coarse facial features: gangliosidosis type I [Bu-Gharios] 1297 (No)
Muscle
 Perivascular fibrosis in the bone marrow in sickle cell disease [Manci] 634 (Je)
Muscle, Skeletal
 Pathologic quiz case: a slow and awkward child: central core disease [Giampetro] 481 (Ap)
Muscle, Smooth
 Intraocular inflammatory myofibroblastic tumor with ALK overexpression [O'Malley] e5 (Ja)
Muscle Weakness
 Pathologic quiz case: a 42-year-old man with right facial swelling and weakness: dedifferentiated acinic cell carcinoma of the parotid gland [Schultz] e52 (Mr)
Musculoskeletal Diseases
 Comparison of needle core biopsy and fine-needle aspiration for diagnostic accuracy in musculoskeletal lesions [Yang] 759 (Jy)
 Musculoskeletal conditions affect millions [McClatchey] 480 (Ap)
Muslinoma see Surgical Sponges
Mutation, Missense
 Coexistent hereditary hemochromatosis and α_1 -antitrypsin deficiency [Shen] 491 (Ap)
Mycobacterium bovis
 Use of polymerase chain reaction to diagnose tubercular arthritis from joint tissues and synovial fluid [letter] [Arya] (reply) [Titov] 1326 (De)
Mycobacterium tuberculosis
 Use of polymerase chain reaction to diagnose tubercular arthritis from joint tissues and synovial fluid [Titov] 205 (Fe)
 Use of polymerase chain reaction to diagnose tubercular arthritis from joint tissues and synovial fluid [letter] [Arya] (reply) [Titov] 1326 (De)
Mycobacterium ulcerans

Use of polymerase chain reaction to diagnose tubercular arthritis from joint tissues and synovial fluid [letter] [Arya] (reply) [Titov] 1326 (De)
Mycophenolate Mofetil
 Polyomavirus in a lung transplant patient [Jani] 1463 (De)
Mycoses
 Clinicopathologic study of hepatic *Penicillium marneffei* in northern Thailand [Yousukh] 191 (Fe)
 Pathologic quiz case: a 56-year-old woman with anterior nasal pain and intermittent epistaxis: *Alternaria alternate* infection of the nasal sinus [Chen] 1451 (De)
 Renal pathologic spectrum in an autopsy series of patients with plasma cell dyscrasia [Herrera] 875 (Au)
Myelodysplastic Syndromes
 Applications of flow cytometry and immunohistochemistry to diagnostic hematopathology [Dunphy] 1004 (Se)
 Pathologic quiz case: progressive fatal encephalopathy in an immunosuppressed patient with a history of discoid lupus erythematosus: subacute granulomatous meningoencephalitis (*Acanthamoeba culbertsoni*) [Ushuplich] e109 (Se)
Myelofibrosis
 Histiocytic sarcoma associated with idiopathic myelofibrosis [Fukunaga] 1167 (Oc)
Myeloid Metaplasia
 Gastric myeloid metaplasia: a case report and review of the literature [Chatelain] 568 (My)
Myelolipoma
 Pathologic quiz case: a 74-year-old man with an incidental retroperitoneal tumor found at autopsy: presacral myelolipoma [Mariappan] 591 (My)
 Pathologic quiz case: a woman with abdominal fullness: adrenal myelolipoma [Mathews] 703 (Je)
Myeloproliferative Disorders
 Gastric myeloid metaplasia: a case report and review of the literature [Chatelain] 568 (My)
 Histiocytic sarcoma associated with idiopathic myelofibrosis [Fukunaga] 1167 (Oc)
 Pathologic quiz case: a 68-year-old man with thrombocytosis and ringed sideroblasts: essential thrombocythemia with ringed sideroblasts [Jani] 815 (Jy)
Myocardial Diseases
 Pathologic quiz case: a 10-year-old boy with weakness, lethargy, and edema: arrhythmogenic right ventricular cardiomyopathy, cardiomyopathic pattern [White] 700 (Je)
Myocardial Infarction
 Biochemical markers of myocardial injury test turnaround time: a College of American Pathologists Q-Probes study of 7020 troponin and 4368 creatine kinase-MB determinations in 159 institutions [Novis] 158 (Fe)
 Diagnostic and prognostic value of cardiac troponin I assays in patients admitted with symptoms suggestive of acute coronary syndrome [Apple] 430 (Ap)
 Myocardial and cerebral infarction due to nonbacterial thrombotic endocarditis as an initial presentation of pancreatic adenocarcinoma [Chen] 1307 (No)
Myocardium
 Myocardial involvement in Erdheim-Chester disease [Loeffler] 682 (Je)
Mycutaneous Flap see Mammoplasty
Myoepithelioma
 Pathologic quiz case: a rapidly increasing breast mass in a postmenopausal woman: malignant adenomyoepithelioma [Harigopal] 235 (Fe)
Myofibroblastic Tumor
 Intraocular inflammatory myofibroblastic tumor with ALK overexpression [O'Malley] e5 (Ja)
Myopathy, Central Core
 Pathologic quiz case: a slow and awkward child: central core disease [Giampetro] 481 (Ap)
Myxofibrosarcoma see Fibrosarcoma
Myxopapillary Ependymoma see Ependymoma

N

Naegleria fowleri
 Pathologic quiz case: headache in an 8-year-old child: primary amebic meningoencephalitis due to *Naegleria fowleri* [Stephany] e33 (Fe)
 Pathologic quiz case: progressive fatal encephalopathy in an immunosuppressed patient with a history of discoid lupus erythematosus: subacute granulomatous meningoencephalitis (*Acanthamoeba culbertsoni*) [Ushuplich] e109 (Se)
Naproxen
 Pathologic quiz case: a 59-year-old man with a 2-week history of right iliac fossa pain: nonsteroidal anti-inflammatory drug-induced colonic ulcer [Lipper] e39 (Fe)
Nasal Cavity

Solitary fibrous tumor of nasal cavity in patient with long-standing history of cocaine inhalation [Chauhan] e1 (Ja)
Nasal Mucosa
 Eosinophilic angiocentric fibrosis: an unusual entity of the sinonasal tract [Onder] 90 (Ja)
Nasopharyngeal Neoplasms
 Abstracts from the College of American Pathologists 2003 Annual Meeting (CAP '03), 139 (Fe)
National Cancer Institute see SEER
Natriuretic Peptide, Brain
 Abstracts from the College of American Pathologists 2003 Annual Meeting (CAP '03), 139 (Fe)
 Laboratory and clinical aspects of B-type natriuretic peptides [Elin] 697 (Je)
Natriuretic Peptide, B-Type
 Laboratory and clinical aspects of B-type natriuretic peptides [Elin] 697 (Je)
Natural Killer Cells see Killer Cells, Natural
Natural Language Processing
 Advancing Practice, Instruction, and Innovation Through Informatics (APIII 2003): scientific session and e-poster abstracts, 1089 (Oc)
Neck
 Pathologic quiz case: an anterior neck mass in a 5-month-old female infant: wattle (congenital cervical tragus) [Rund] 1453 (De)
 Plasmablastic lymphoma of the cervical lymph nodes in a human immunodeficiency virus-negative patient: a case report and review of the literature [Lin] 581 (My)
Needle Core Biopsy see Biopsy, Needle
Nematoda
 Displaced bacterial colonies indicating *Strongyloides* larval migration on agar plates [Mariappan] 711 (Je)
Neonatal Diseases and Abnormalities see Congenital, Hereditary, and Neonatal Diseases and Abnormalities
Neoplasm, Circulating Cells
 Massive thyroid tumoral embolism from a breast carcinoma presenting as acute thyroiditis [Jiménez-Heffernan] 804 (Jy)
 Pathologic quiz case: a right adnexal mass in a postmenopausal patient: malignant mixed müllerian tumor with heterologous elements arising in the fallopian tube [Humble] e161 (No)
Neoplasm Invasiveness
 Abstracts from the College of American Pathologists 2003 Annual Meeting (CAP '03), 139 (Fe)
 Cellular proliferative fraction measured with topoisomerase IIa predicts malignancy in endocrine pancreatic tumors [Diaz-Rubio] 426 (Ap)
 Immunohistochemical analysis of lung carcinomas with pure or partial bronchioloalveolar differentiation [Sarantopoulos] 406 (Ap)
 Immunohistochemical expression of matrix metalloproteinases 1, 2, 9, and 14 in dermatofibrosarcoma protuberans and common fibrous histiocytoma (dermatofibroma) [Weinrach] 1136 (Oc)
Neoplasm Metastasis
 Abstracts from the College of American Pathologists 2003 Annual Meeting (CAP '03), 139 (Fe)
 Advancing Practice, Instruction, and Innovation Through Informatics (APIII 2003): scientific session and e-poster abstracts, 1089 (Oc)
 Bone morphogenetic proteins are expressed by both bone-forming and non-bone-forming lesions [Khurana] 1267 (No)
 Carcinoid tumor arising in a tailgut cyst of the anorectal junction with distant metastasis: a case report and review of the literature [Song] 578 (My)
 Clear cell renal cell carcinoma with syncytial giant cells: a case report and review of the literature [Shen] 1435 (De)
 Collision metastasis of prostatic and colonic adenocarcinoma: report of 2 cases [Wade] 318 (Mr)
 Epidermal growth factor receptor status in breast cancer metastases to the central nervous system: comparison with HER-2/neu status [Grupka] 974 (Se)
 Frequent expression of human carcinoma-associated antigen, a mucin-type glycoprotein, in cells of prostatic carcinoma [Li] 1412 (De)
 Immunohistochemical expression of matrix metalloproteinases 1, 2, 9, and 14 in dermatofibrosarcoma protuberans and common fibrous histiocytoma (dermatofibroma) [Weinrach] 1136 (Oc)
 Importance of immunohistochemical staining in metastatic anaplastic oligodendroglioma [Choon] 489 (Ap)
 An isolated vertebral metastasis of urachal adenocarcinoma [Taylor] 1043 (Se)
 Leukemoid reaction: a diagnostic clue in metastatic carcinoma mimicking classic Hodgkin lymphoma [Mukhopadhyay] 1445 (De)
 Macrofollicular variant of papillary carcinoma of the thyroid: a histologic, cytologic, and immunohistochemical

- study of 3 cases and review of the literature [Lugli] 54 (Ja)
- Malignant gastrointestinal leiomyosarcoma and gastrointestinal stromal tumor with prominent osteoclast-like giant cells [Insabato] 440 (Ap)
- Massive thyroid tumor embolism from a breast carcinoma presenting as acute thyroiditis [Jiménez-Herrera] 804 (Jy)
- Myocardial and cerebral infarction due to nonbacterial thrombotic endocarditis as an initial presentation of pancreatic adenocarcinoma [Chen] 1307 (No)
- Pathologic quiz case: an 83-year-old woman with a uterine cervical mass: adenoid cystic carcinoma [Dimashkieh] 817 (Jy)
- Pathologic quiz case: a 52-year-old woman with a pleural mass: metastatic hemangiopericytoma [Jani] 1061 (Se)
- Pathologic quiz case: fine-needle aspiration of lytic bone lesions in a 63-year-old woman: metastatic basal cell carcinoma to the bone in Gorlin syndrome [Adem] 819 (Jy)
- Pathologic quiz case: multiple liver and lung nodules: epithelioid hemangioendothelioma of the liver [Blaney] e183 (De)
- Pathologic quiz case: a 26-year-old woman with profuse vaginal bleeding: metastatic placental site trophoblastic tumor [Karabakhtian] e50 (Mr)
- Primary small bowel carcinoid tumor with bilateral breast metastases: report of 2 cases with different clinical presentations [Mosunjic] 292 (Mr)
- Radiographically occult, diffuse intrasubcutaneous hepatic metastases from primary breast carcinomas: a clinicopathologic study of 3 autopsy cases [Allison] 1418 (De)
- Renal tumor with overlapping distal nephron morphology and karyotype [Lindgren] 1274 (No)
- Urachal malignant fibrous histiocytoma: a case report and review of the literature [Wang] 456 (Ap)
- Neoplasm Proteins**
- Giant cell glioblastoma and pleomorphic xanthoastrocytoma (letter) [Katsetos] (reply) [Kleinschmidt-DeMasters] 391 (Ap)
- Role of *PTEN* in gastrointestinal stromal tumor progression [Ricci] 421 (Ap)
- Neoplasm Recurrence, Local**
- Angioimmunoblastic T-cell lymphoma with cutaneous involvement: a case report with subtle histologic changes and clonal T-cell proliferation [Huang] e122 (Cc)
- Biphasic acute myeloid leukemia with near-tetraploidy and immunophenotypic transformation [Imkie] 448 (Ap)
- Gastrointestinal stromal tumor presenting as a recurrent vaginal mass [Ceballos] 1442 (De)
- How sensitive is a prostate-specific antigen measurement? how sensitive does it need to be? [Beck] 341 (Mr)
- Pathologic quiz case: a large recurrent thigh mass in a 79-year-old woman: inflammatory liposarcoma occurring as a component of a recurrent, well-differentiated, lipoma-like liposarcoma [Lovell] e21 (Ja)
- Pathologic quiz case: a 34-year-old woman with an inguinal mass: female adnexal tumor of probable wolffian origin [Halushka] 1301 (No)
- Recurrent breast carcinoma arising in a transverse rectus abdominis myocutaneous flap [Chung] 1157 (Cc)
- Recurrent solitary fibrous tumor of the pleura with malignant transformation [Kanthan] 460 (Ap)
- Survivin and Bcl-2 expression in prostatic adenocarcinomas [Kaur] 39 (Ja)
- Textiloma (gossypiboma) mimicking recurrent intracranial tumor [Ribalta] 749 (Jy)
- Neoplasm Staging**
- Abstracts from the College of American Pathologists 2003 Annual Meeting (CAP '03), 139 (Fe)
- A clinicopathologic evaluation of follicular lymphoma grade 3A versus grade 3B reveals no survival differences [Hsi] 863 (Au)
- Comparison of needle core biopsy and fine-needle aspiration for diagnostic accuracy in musculoskeletal lesions [Yang] 759 (Jy)
- Expression of cysteine protease protein 32 in prostatic adenocarcinoma correlates with tumor grade [Anwar] 649 (Je)
- Granular cell tumor: immunohistochemical assessment of inhibin- α , protein gene product 9.5, S100 protein, CD68, and Ki-67 proliferative index with clinical correlation [Le] 771 (Jy); correction, 844 (Au)
- Pathologic quiz case: a 15-year-old girl with an intracranial midline mass: pineoblastoma, World Health Organization Grade IV [Song] 707 (Je)
- Neoplasms, Adnexal and Skin Appendage**
- Chondroid syringoma: cytokeratin 20 immunolocalization of Merkel cells and reappraisal of apocrine folliculo-sebaceous differentiation [Salama] 986 (Se)
- Pathologic quiz case: cystic tumor of the left eyebrow in a 42-year-old woman: benign cutaneous adnexal tumor with combined folliculosebaceous and eccrine differentiation [Ivenofu] 1181 (Cc)
- Pathologic quiz case: a 69-year-old man with a brown-black facial papule: melanocytic matricoma [Florenstein] e163 (No)
- Neoplasms, Complex and Mixed**
- Gastrointestinal stromal tumor presenting as a recurrent vaginal mass [Ceballos] 1442 (De)
- Neoplasms, Connective and Soft Tissue**
- Pathologic quiz case: an 18-year-old man with pain and swelling of the left hand: chondroblastoma [Baisre] e120 (Se)
- Pathologic quiz case: soft tissue calcifications of the shoulder in a 31-year-old woman: synovial chondromatosis [Lorusso] 1455 (De)
- Neoplasms, Cystic, Mucinous, and Serous**
- Pathologic quiz case: an 87-year-old woman with a mass in the tail of the pancreas: pancreatic lymphangioma with "ovarian-like" stroma [Singh] e175 (De)
- Pathologic quiz case: a 22-year-old woman with a large right adnexal mass: poorly differentiated Sertoli-Leydig cell tumor of the right ovary with retiform differentiation and heterologous elements (mucinous components) [Ching] e93 (Jy)
- Neoplasms, Fibrous Tissue**
- Solitary fibrous tumor of nasal cavity in patient with long-standing history of cocaine inhalation [Chauhan] e1 (Ja)
- Solitary fibrous tumor of the spinal nerve rootlet: report of a case mimicking schwannoma [Piana] 335 (Mr)
- Neoplasms, Germ Cell and Embryonal**
- Pathologic quiz case: an abdominopelvic mass in a 13-year-old adolescent girl: predominantly mature cystic teratoma with minimal immature neuroglia and gliomatosis peritonei [Stephany] 705 (Je)
- Pathologic quiz case: a 27-week female fetus with massive macrocephaly and generalized anasarca: congenital immature intracranial teratoma with skull rupture and high output cardiac failure [Bhattacharya] 102 (Ja)
- Physaliphorous cells in chordoma [Gui] 1457 (De)
- Neoplasms, Glandular and Epithelial**
- Bone morphogenetic proteins are expressed by both bone-forming and non-bone-forming lesions [Khurana] 1267 (No)
- Oncocytic transformation in pituitary adenomas: immunohistochemical analyses of 65 cases [Niveiro] 776 (Jy)
- Pathologic quiz case: an 87-year-old woman with a mass in the tail of the pancreas: pancreatic lymphangioma with "ovarian-like" stroma [Singh] e175 (De)
- Pathologic quiz case: a 22-year-old woman with a large right adnexal mass: poorly differentiated Sertoli-Leydig cell tumor of the right ovary with retiform differentiation and heterologous elements (mucinous components) [Ching] e93 (Jy)
- Renal tumor with overlapping distal nephron morphology and karyotype [Lindgren] 1274 (No)
- Neoplasms, Multiple Primary**
- Advanced gastric carcinoma with a complete intestinal metaplasia phenotype associated with early intestinal-type carcinoma [Rivera-Hueto] 218 (Fe)
- Low-grade neuroendocrine carcinoma (carcinoid tumor) of the prostate [Reyes] e166 (De)
- One patient, two lymphomas: simultaneous primary gastric marginal zone lymphoma and primary duodenal follicular lymphoma [Tang] 1035 (Se)
- Pathologic quiz case: a 73-year-old man with a bladder mass: combined primary small cell neuroendocrine carcinoma and high-grade papillary urothelial carcinoma of the urinary bladder [Lau] 1055 (Se)
- Pathologic quiz case: a 29-year-old woman with thrombocytosis: chronic myelogenous leukemia [Baila] e63 (Ap)
- Scalp paraffinoma underlying squamous cell carcinoma [Ko] 1171 (Cc)
- Synchronous sentinel lymph node metastasis of lobular and ductal carcinoma [Moham] 365 (Mr)
- A unique collision tumor in breast: invasive ductal carcinoma and mucosa-associated lymphoid tissue lymphoma [Susnik] 99 (Ja)
- Neoplasms, Muscle Tissue**
- Pathologic quiz case: a 69-year-old asymptomatic man with a scrotal mass: atypical (symplocytic or bizarre) leiomyoma of the scrotum [Fadare] e37 (Fe)
- Neoplasms, Neuroepithelial**
- Pathologic quiz case: an abdominopelvic mass in a 13-year-old adolescent girl: predominantly mature cystic teratoma with minimal immature neuroglia and gliomatosis peritonei [Stephany] 705 (Je)
- Neovascularization**
- Abstracts from the College of American Pathologists 2003 Annual Meeting (CAP '03), 139 (Fe)
- Cellular proliferative fraction measured with topoisom-
- erase II α predicts malignancy in endocrine pancreatic tumors [Diaz-Rubio] 426 (Ap)
- Noninvasive carcinoma of the breast: angiogenesis and cell proliferation [Cao] 893 (Au)
- Nephritis, Tubulointerstitial**
- Renal pathologic spectrum in an autopsy series of patients with plasma cell dyscrasia [Herrera] 875 (Au)
- Nephroma**
- Cystic nephroma: a histologic and immunohistochemical study of 10 cases [Mukhopadhyay] 1404 (De)
- Nephroma, Mesoblastic**
- Pathologic quiz case: renal mass in a 3-week-old infant: congenital mesoblastic nephroma, mixed type [Munivakatappa] 929 (Au)
- Nephrons**
- Renal tumor with overlapping distal nephron morphology and karyotype [Lindgren] 1274 (No)
- Nephropathy see Kidney Diseases**
- Nephrotic Syndrome**
- Pathologic quiz case: an unsuspected cause of nephrotic syndrome: heterozygous Fabry disease [Thamboo] 593 (My)
- Nerve Sheath Tumors**
- Granular cell tumor: immunohistochemical assessment of inhibin- α , protein gene product 9.5, S100 protein, CD68, and Ki-67 proliferative index with clinical correlation [Le] 771 (Jy); correction, 844 (Au)
- Nesidioblastosis see Pancreatic Diseases**
- Neural Crest**
- Pathologic quiz case: a 44-year-old woman with an incidental asymptomatic renal mass: atypical epithelioid angiomylipoma [Aljerian] 1176 (Cc)
- Neurilemmoma**
- Solitary fibrous tumor of the spinal nerve rootlet: report of a case mimicking schwannoma [Piana] 335 (Mr)
- Neuroblastoma**
- Pathologic quiz case: renal mass in a 3-week-old infant: congenital mesoblastic nephroma, mixed type [Munivakatappa] 929 (Au)
- Primitive neuroectodermal tumor of the gallbladder [Song] 571 (My)
- Neurodegenerative Diseases**
- Pathologic quiz case: hepatosplenomegaly in an infant with hypotonia and coarse facial features: gangliosidosis type I [Bu-Ghani] 1297 (No)
- Neuroectodermal Tumor, Primitive, Peripheral**
- Primitive neuroectodermal tumor of the gallbladder [Song] 571 (My)
- Neuroectodermal Tumors, Primitive**
- Microdissection genotyping of mixed glial and primitive neuroectodermal central nervous system neoplasm [Moham] 1161 (Cc)
- Neuroglia**
- Pathologic quiz case: an abdominopelvic mass in a 13-year-old adolescent girl: predominantly mature cystic teratoma with minimal immature neuroglia and gliomatosis peritonei [Stephany] 705 (Je)
- Neuromelanin**
- Pigmented "black" pheochromocytoma of the adrenal gland: a case report and review of the literature [Belletta] e125 (Cc)
- Neurosurgical Procedures**
- Textiloma (gossypiboma) mimicking recurrent intracranial tumor [Ribalta] 749 (Jy)
- Neurotoxin**
- Clostridium botulinum* and the clinical laboratorian: a detailed review of botulism, including biological warfare ramifications of botulinum toxin [Caya] 653 (Je)
- Neutrophils**
- Aberrant nuclear projections of neutrophils in trisomy 13 [Salama] 243 (Fe)
- In hematopathology, love is everywhere [Al-Quran] 1309 (No)
- Nevoid Basal Cell Carcinoma Syndrome see Basal Cell Nevus Syndrome**
- Nipples**
- Clear cell papulosis of the skin: a case report from Singapore [Kumarasinghe] e149 (No)
- Primary basal cell carcinoma of the nipple [Gupta] 792 (Jy)
- Nomenclature see Terminology**
- Non-Langerhans-Cell Histiocytosis, Type II**
- Myocardial involvement in Erdheim-Chester disease [Loeffler] 682 (Je)
- Nose Neoplasms**
- Eosinophilic angiocentric fibrosis: an unusual entity of the sinonasal tract [Onder] 90 (Ja)
- Solitary fibrous tumor of nasal cavity in patient with long-standing history of cocaine inhalation [Chauhan] e1 (Ja)
- Notochord**
- Physaliphorous cells in chordoma [Gui] 1457 (De)

Obituary

- Thomas L. Gavan, MD [Bachner] 389 (Ap)
 William B. Hamlin, MD [Wagner] 1324 (De)
 Kenneth Donald McClatchey, DDS, MD [Chejfec] 272 (Mr)
 William Joseph Reals, MD, FCAP [Oxley] 506 (My)
 Jerald Rudolph Schenken, MD [Gilmer] 616 (Je)
 Herbert M. Sommers, MD [Koneman] 732 (Jy)
 F. William Sunderman, Sr, MD, PhD, ScD [Kiechle] 848 (Au)

Observer Variation

- Fluids—good and bad actors: observations from the College of American Pathologists Interlaboratory Comparison Program in Nongynecologic Cytology [Moriarty] 513 (My)

Odontogenic Cysts

- Molecular analysis to demonstrate that odontogenic keratocysts are neoplastic [Agaram] 313 (Mr)

- Pathologic quiz case: fine-needle aspiration of lytic bone lesions in a 63-year-old woman: metastatic basal cell carcinoma to the bone in Gorlin syndrome [Adem] 819 (Jy)

Oligodendroglia

- Evidence for involvement of transforming growth factor β 1 signaling pathway in activation of JC virus in human immunodeficiency virus 1-associated progressive multifocal leukoencephalopathy [Enam] 282 (Mr)

Oligodendroglioma

- Importance of immunohistochemical staining in metastatic anaplastic oligodendroglioma [Choon] 489 (Ap)

Oligohydramnios

- 47,XXY with associated bilateral renal agenesis [Barroeta] e44 (Mr)

Oligonucleotide Microarray see Array Sequence Analysis

Oligonucleotides

- Cytosine arabinoside substitution decreases transcription factor-DNA binding element complex formation [Zhang] 1364 (De)

- The -omics era and its impact [Kiechle] 1337 (De)

Omenn Syndrome see Severe Combined Immunodeficiency

Omentum

- Pathologic quiz case: a right adnexal mass in a postmenopausal patient: malignant mixed müllerian tumor with heterologous elements arising in the fallopian tube [Humble] e161 (No)

OMIM see Databases, Genetic

Omniscan see Gadodiamide

Oncocytes see Oxyphil Cells

Oncocytic Adenoma see Adenoma, Oxyphilic

Oncocytoma see Adenoma, Oxyphilic

Oncogenes

- Abstracts from the College of American Pathologists 2003 Annual Meeting (CAP '03), 139 (Fe)

- Clear cell ductal adenocarcinoma of pancreas: a case report and review of the literature [Ray] 693 (Je)

- Comparative assays for the *HER-2/neu* oncogene status in breast cancer [Vera-Roman] 627 (Je)

Online Mendelian Inheritance in Man see Databases, Genetic

Ophthalmic Diseases see Eye Diseases

Opportunistic Infections

- Clinicopathologic study of hepatic *Penicillium marneffei* in northern Thailand [Yousukh] 191 (Fe)

- Disseminated microsporidiosis in a pancreas/kidney transplant recipient [Carlson] e41 (Mr)

Optic Nerve

- Secondary leptomeningeal sarcomatosis [Grier] 1303 (No)

OptiMARK see Gadoversetamide

Orchiectomy

- Prostate gland-like epithelium in the epididymis: a case report and review of the literature [Lee] e60 (Ap)

Orchitis

- Xanthogranulomatous funiculitis and orchepididymitis: report of 2 cases with immunohistochemical study and literature review [Nistal] 911 (Au)

Organization and Administration

- Management training for pathology residents: a regional approach [Horowitz] 59 (Ja)

Osmolar Concentration

- Pathologic quiz case: repeated positive ethylene glycol levels by gas chromatography: central venous line contamination of blood samples by propylene glycol from intravenous lorazepam injections [Hilliard] e79 (Je)

Ossification, Heterotopic

- Chronic abdominal pain caused by heterotopic ossification with functioning bone marrow: a case report and review of the literature [Wang] 321 (Mr)

- Idiopathic bilateral auricular ossifications: a case report and review of the literature [High] 1432 (De)

- Pathologic quiz case: a solitary breast nodule in an elderly woman: fasciitis ossificans of the breast [Lui] e29 (Fe)

Ossifying Renal Tumor see Kidney Neoplasms

Osteoclasts

- Malignant gastrointestinal leiomyosarcoma and gastrointestinal stromal tumor with prominent osteoclast-like giant cells [Insabato] 440 (Ap)

Osteogenesis

- Bone morphogenetic proteins are expressed by both bone-forming and non-bone-forming lesions [Khurana] 1267 (No)

Osteolysis

- Abstracts from the College of American Pathologists 2003 Annual Meeting (CAP '03), 139 (Fe)

Osteosarcoma

- Pathologic quiz case: a 60-year-old woman with diffuse uterine enlargement: primary osteosarcoma of the uterus [Ribeiro-Silva] e172 (De)

Ovarian Neoplasms

- Pathologic quiz case: incidental ovarian lesions in a 48-year-old woman with Peutz-Jeghers syndrome: ovarian sex cord tumor with annular tubules [Fadare] 353 (Mr)

- Pathologic quiz case: a right adnexal mass in a postmenopausal patient: malignant mixed müllerian tumor with heterologous elements arising in the fallopian tube [Humble] e161 (No)

- Pathologic quiz case: a 34-year-old woman with abdominal pain and a large right multicystic ovarian mass: müllerian adenocarcinoma arising in an endometriotic cyst [Al-Abbadi] 1057 (Se)

- Pathologic quiz case: a 32-year-old woman with a large right adnexal mass: poorly differentiated Sertoli-Leydig cell tumor of the right ovary with retiform differentiation and heterologous elements (mucinous components) [Ching] e93 (Jy)

Overdose

- Heparin monitoring and patient safety: a College of American Pathologists Q-Probes study of 3431 patients at 140 institutions [Valenstein] 397 (Ap)

Oxyntic Cells see Parietal Cells, Gastric

Oxyphil Cells

- Oncocytic biliary cystadenocarcinoma: a case report and review of the literature [Bardin] e25 (Fe)

- Oncocytic transformation in pituitary adenomas: immunohistochemical analyses of 65 cases [Niveiro] 776 (Jy)

- Pathologic quiz case: infratentorial tumor in a middle-aged woman: oncocytic variant of choroid plexus papilloma [Buccoliero] 1448 (De)

P

p16INK4A see Protein p16

p53 protein see Protein p53

p57^{kip2} Protein see Protein p57

p63 Protein see Protein p63

Paget's Disease, Extramammary

- Extramammary Paget disease of the scrotum with features of Bowen disease: a case report and review of the literature [Quinn] 84 (Ja)

- Pathologic quiz case: a 63-year-old woman with a pigmented perineal lesion: extramammary Paget disease [Cumurdula] e23 (Ja)

Pain

- Importance of immunohistochemical staining in metastatic anaplastic oligodendroglioma [Choon] 489 (Ap)

- Pathologic quiz case: a 59-year-old man with a 2-week history of right iliac fossa pain: nonsteroidal anti-inflammatory drug-induced colonic ulcer [Lipper] e39 (Fe)

- Pathologic quiz case: a 56-year-old woman with anterior nasal pain and intermittent epistaxis: *Alternaria alternata* infection of the nasal sinus [Chen] 1451 (De)

- Pathologic quiz case: a 42-year-old man with right facial swelling and weakness: dedifferentiated acinic cell carcinoma of the parotid gland [Schultz] e52 (Mr)

- Pathologic quiz case: patient with testicular pain: benign Leydig cell tumor [Adeagbo] 105 (Ja)

Pancreas

- Inlet patch: prevalence, histologic type, and association with esophagitis, Barrett esophagus, and antritis [Tang] 444 (Ap)

- Pancreatic heterotopia in the gastric antrum [Chandan] 111 (Ja)

- Pathologic quiz case: a multicystic mass of the pancreatic body in a 70-year-old man: serous microcystic adenoma of the pancreas [Chen] e83 (Je)

Pancreas Transplantation

- Disseminated microsporidiosis in a pancreas/kidney transplant recipient [Carlson] e41 (Mr)

Pancreatic Diseases

- Pathologic quiz case: a 49-year-old woman with an adrenal mass: pancreatic tissue with nesidioblastiasis, adrenocortical adenoma, and ovarian thecal metaplasia in the adrenal gland [Giorgadze] 1294 (No)

Pancreatic Neoplasms

- Abstracts from the College of American Pathologists 2003 Annual Meeting (CAP '03), 139 (Fe)

- Cellular proliferative fraction measured with topoisomerase II α predicts malignancy in endocrine pancreatic tumors [Diaz-Rubio] 426 (Ap)

- Myocardial and cerebral infarction due to nonbacterial thrombotic endocarditis as an initial presentation of pancreatic adenocarcinoma [Chen] 1307 (No)

- Pathologic quiz case: an 87-year-old woman with a mass in the tail of the pancreas: pancreatic lymphangioma with "ovarian-like" stroma [Singh] e175 (De)

- Pathologic quiz case: a multicystic mass of the pancreatic body in a 70-year-old man: serous microcystic adenoma of the pancreas [Chen] e83 (Je)

- Pathologic quiz case: a 30-year-old man with lower abdominal and back pain: anaplastic large cell lymphoma (Ki-1 lymphoma) of the pancreas [Farwani] e179 (De)

- Pathologic quiz case: a 32-year-old Western-Indian woman with a history of chronic abdominal pain and a cystic mass of pancreas: mucinous cystic neoplasm, adenoma type [Papas] e54 (Mr)

- Splenic rupture: a rare presentation of pancreatic carcinoma [Smith] 1146 (Oc)

Pancreatic Pseudocyst

- Pathologic quiz case: an 87-year-old woman with a mass in the tail of the pancreas: pancreatic lymphangioma with "ovarian-like" stroma [Singh] e175 (De)

- Pathologic quiz case: a 32-year-old Western-Indian woman with a history of chronic abdominal pain and a cystic mass of pancreas: mucinous cystic neoplasm, adenoma type [Papas] e54 (Mr)

Pancreatitis

- Determination of plasma glycoprotein 2 levels in patients with pancreatic disease [Hao] 668 (Je)

Pancytopenia

- Pathologic quiz case: a 17-year-old renal transplant patient with persistent fever, pancytopenia, and axillary lymphadenopathy: bacillary angiomatosis of the lymph node in the renal transplant recipient [Juskevicius] e12 (Ja)

- Pathologic quiz case: a 77-year-old woman with bilateral breast masses: amyloidosis involving the breast [Fleury] e67 (Ap)

- Progression of chronic myeloid leukemia to blast crisis during treatment with imatinib mesylate [Xu] 980 (Se)

Pandemic see Disease Outbreaks

Paneth Cells

- Paneth cell carcinoma of the ampulla of Vater [Mora] 908 (Au)

Panniculitis

- Use of polymerase chain reaction to diagnose tubercular arthritis from joint tissues and synovial fluid [letter] [Arya] [reply] [Titov] 1326 (De)

Papanicolaou Smears see Vaginal Smears

Papilloma, Choroid Plexus

- Pathologic quiz case: infratentorial tumor in a middle-aged woman: oncocytic variant of choroid plexus papilloma [Buccoliero] 1448 (De)

Papillomavirus, Human

- Bethesda 2001 implementation and reporting rates: 2003 practices of participants in the College of American Pathologists Interlaboratory Comparison Program in Cervicovaginal Cytology [Davey] 1224 (No)

- Can human papillomavirus DNA testing substitute for cytology in the detection of high-grade cervical lesions? [Lee] 298 (Mr)

- Combining human papillomavirus testing or cervicography with cytology to detect cervical neoplasia [Howard] 1257 (No)

- Comparison of human papillomavirus DNA prevalence in atypical squamous cells of undetermined significance subcategories as defined by the original Bethesda 1991 and the new Bethesda 2001 Systems [Pirog] 527 (My)

- Delivering human papillomavirus testing to the public [letter] [Dennstedt] [reply] [Davey] 10 (Ja)

- Human papillomavirus typing of rare cervical carcinomas [Matthews-Greer] 553 (My)

- Pathologic quiz case: an 83-year-old woman with a uterine cervical mass: adenoid cystic carcinoma [Dimashkieh] 817 (Jy)

Papulosis

- Clear cell papulosis of the skin: a case report from Singapore [Kumarasinghe] e149 (No)

Paraffin Embedding

- Applications of flow cytometry and immunohistochemistry to diagnostic hematopathology [Dunphy] 1004 (Se)

- Microdissection techniques for molecular testing in surgical pathology [Hunt] 1372 (De)

Paraffinoma

- Scalp paraffinoma underlying squamous cell carcinoma [Ko] 1171 (Oc)
- Paraganglioma**
Dedifferentiated liposarcoma with a paraganglioma-like histologic pattern: a case report and review of the literature [Liu] 788 (Jy)
- Pathologic quiz case: a 35-year-old man with hematuria: paraganglioma involving the prostate [Parwani] e104 (Au)
- Parainfluenza Virus 4, Human**
Fatal hemorrhagic pneumonia concomitant with *Chlamydia pneumoniae* and parainfluenza virus 4 infection [Rubinas] 640 (Je)
- Paranasal Sinuses**
Pathologic quiz case: a 56-year-old woman with anterior nasal pain and intermittent epistaxis: *Alternaria alternata* infection of the nasal sinus [Chen] 1451 (De)
- Paraneoplasias**
Applications of flow cytometry and immunohistochemistry to diagnostic hematopathology [Dunphy] 1004 (Se)
- Pathologic quiz case: a 77-year-old woman with bilateral breast masses: amyloidosis involving the breast [Fleury] e67 (Ap)
- Pathology of plasma cell dyscrasia: how much can we learn from autopsy studies? 1082 (Oc); correction [Picken] 1322 (De)
- Renal pathologic spectrum in an autopsy series of patients with plasma cell dyscrasia [Herrera] 875 (Au)
- Parasitic Diseases**
Balamuthia mandrillaris meningoencephalitis in an immunocompetent patient: an unusual clinical course and a favorable outcome [Jung] 466 (Ap)
- A flower-like parasite with bladed petals [Daneshbod] 939 (Au)
- Parasitis**
Pathologic quiz case: a newborn with seizures: cortical dysplasia (malformation of cortical development) [Spencer] e91 (Jy)
- Parietal Cells, Gastric**
Inlet patch: prevalence, histologic type, and association with esophagitis, Barrett esophagus, and antritis [Tang] 444 (Ap)
- Parotid Gland Gland Neoplasms see Salivary Gland Neoplasms**
- Partial Thromboplastin Time**
Heparin monitoring and patient safety: a College of American Pathologists Q-Probes study of 3431 patients at 140 institutions [Valenstein] 397 (Ap)
- Patou Syndrome see Trisomy**
- Pathologists' Assistants see Physician Assistants**
- Pathology, Surgical**
Use of physician extenders in surgical pathology practice [Grzybicki] 165 (Fe)
- Patient Education**
What is a picture worth? digital imaging applications in autopsy reports [Pritt] 1247 (No)
- Patient Identification Systems**
Advancing Practice, Instruction, and Innovation Through Informatics (APIII 2003): scientific session and e-poster abstracts, 1089 (Oc)
- Zero-Check: a zero-knowledge protocol for reconciling patient identities across institutions [Berman] 344 (Mr)
- Zero-Check: a zero-knowledge protocol for reconciling patient identities across institutions (letter) [Apfelroth] (reply) [Berman] 954 (Se)
- Patient Isolation**
Advancing Practice, Instruction, and Innovation Through Informatics (APIII 2003): scientific session and e-poster abstracts, 1089 (Oc)
- Peliosis Hepatis**
Peliosis hepatis associated with lymphoplasmacytic lymphoma: an autopsy case report [Corpa] 1283 (No)
- Pelvic Neoplasms**
Pathologic quiz case: a 40-year-old woman with a large pelvic mass, ascites, massive right hydrothorax, and elevated CA 125: uterine symplectic leiomyoma associated with pseudo-Meigs syndrome and elevated CA 125 [Weinrach] 933 (Au)
- Pathologic quiz case: sacral/pelvic mass with lower back pain in a 36-year-old man: immature plasmacytoma [Yang] 237 (Fe)
- Pelvis**
Multifocal polypoid endometriosis presenting as huge pelvic masses causing deep vein thrombosis [Laird] 561 (My)
- Penicillium marneffei**
Clinicopathologic study of hepatic *Penicillium marneffei* in northern Thailand [Yousukh] 191 (Fe)
- Pennsylvania Cancer Alliance Bioinformatics Consortium**
Advancing Practice, Instruction, and Innovation Through Informatics (APIII 2003): scientific session and e-poster abstracts, 1089 (Oc)
- Pentamidine**
Balamuthia mandrillaris meningoencephalitis in an immunocompetent patient: an unusual clinical course and a favorable outcome [Jung] 466 (Ap)
- Pneumocystis carinii* infection: update and review [Wazir] 1023 (Se)
- Pericardial Effusion**
Aortic dissection [Xie] 599 (My)
- Pathologic quiz case: a 50-year-old man with a lung mass, respiratory distress, and pericardial effusion: metastatic clear cell sarcoma (malignant melanoma of soft parts) [Parwani] e56 (Mr)
- Pathologic quiz case: a patient with Down syndrome presenting with "idiopathic" pericarditis: primary pericardial malignant mesothelioma [Sharaf El-Dean] e107 (Au)
- Pericytes**
On the origin of hepatic fibrosis [Guzman] 1212 (No)
- Perineum**
Pathologic quiz case: a 63-year-old woman with a pigmented perineal lesion: extramammary Paget disease [Gumurdula] e23 (Ja)
- Personal Computers see Microcomputers**
- Peutz-Jeghers Syndrome**
Pathologic quiz case: incidental ovarian lesions in a 48-year-old woman with Peutz-Jeghers syndrome: ovarian sex cord tumor with annular tubules [Fadare] 353 (Mr)
- Pathologic quiz case: a 27-year-old man with abdominal pain: Peutz-Jeghers syndrome [Boyanton] 483 (Ap)
- Pharmacogenetics**
Adding pharmacogenetics to the clinical laboratory: narrow therapeutic index medications as a place to start [Bukaveckas] 1330 (De)
- The -omics era and its impact [Kiechle] 1337 (De)
- Pharyngeal Diseases**
Pathologic quiz case: an 18-year-old man presenting with sepsis following a recent pharyngeal infection: Lemierre syndrome [Plymyer] 813 (Jy)
- Pharyngitis**
Pathologic quiz case: a 63-year-old renal transplant recipient with a sore throat: posttransplantation lymphoproliferative disorder, plasmacytoma type, with prominent Russell body formation [Syed] e76 (Je)
- Phenotype**
Advanced gastric carcinoma with a complete intestinal metaplasia phenotype associated with early intestinal-type carcinoma [Rivera-Hueto] 218 (Fe)
- Immunohistochemical analysis of lung carcinomas with pure or partial bronchioloalveolar differentiation [Sarantopoulos] 406 (Ap)
- Malignant melanoma with a rhabdoid phenotype: histologic, immunohistochemical, and ultrastructural study of a case and review of the literature [Abbott] 686 (Je)
- Paneth cell carcinoma of the ampulla of Vater [Mora] 908 (Au)
- Phenytoin**
Adding pharmacogenetics to the clinical laboratory: narrow therapeutic index medications as a place to start [Bukaveckas] 1330 (De)
- Pathologic quiz case: progressive headaches in a 50-year-old woman: choroid meningioma [Green] e115 (Se)
- Phenytoin overview—metabolic interference in some immunoassays could be clinically important (letter) [Roberts] (reply) [Soldin] 734 (Jy)
- Pheochromocytoma**
Pigmented "black" pheochromocytoma of the adrenal gland: a case report and review of the literature [Belletta] e125 (Oc)
- Philadelphia Chromosome**
Progression of chronic myeloid leukemia to blast crisis during treatment with imatinib mesylate [Xu] 980 (Se)
- Phlebotomus**
Leishmania in the glomerulus [Kumar] 935 (Au)
- Photography**
What is a picture worth? digital imaging applications in autopsy reports [Pritt] 1247 (No)
- Physician Assistants**
Use of physician extenders in surgical pathology practice [Grzybicki] 165 (Fe)
- Pigmentation**
Pathologic quiz case: tumor in pigmented thyroid gland in a young man: papillary thyroid carcinoma in a minocycline-induced, diffusely pigmented thyroid gland [Raghavan] 355 (Mr)
- Pigmented "black" pheochromocytoma of the adrenal gland: a case report and review of the literature [Belletta] e125 (Oc)
- Pigments**
Melanosis coli involving pericolic lymph nodes associated with the herbal laxative Swiss Kriss: a rare and incidental finding in a patient with colonic adenocarcinoma [Ewing] 565 (My)
- Pineoblastoma**
Pathologic quiz case: a 15-year-old girl with an intracranial midline mass; pineoblastoma, World Health Organization Grade IV [Song] 707 (Je)
- Pitrocin**
Pathologic quiz case: progressive headaches in a 50-year-old woman: choroid meningioma [Green] e115 (Se)
- Pituitary Neoplasms**
Oncocytic transformation in pituitary adenomas: immunohistochemical analyses of 65 cases [Niveiro] 776 (Jy)
- Pityriasis Rosea**
Papular spongiotic dermatitis of smallpox vaccination: report of 2 cases with review of the literature [Caertner] 1173 (Oc)
- Placenta**
Polarizable placental particles: a case study and brief review of the literature [Jarzemowski] 675 (Je)
- Placental Diseases**
Immunohistochemical characterization of p57^{KIP2} expression in tetraploid hydropic placentas [Fukunaga] 897 (Au)
- Plants, Medicinal**
Melanosis coli involving pericolic lymph nodes associated with the herbal laxative Swiss Kriss: a rare and incidental finding in a patient with colonic adenocarcinoma [Ewing] 565 (My)
- Plasma Cell Dyscrasia see Paraproteinemia**
- Plasma Cell Myeloma see Multiple Myeloma**
- Plasma Cell Neoplasms see Plasmacytoma**
- Plasma Cells**
Extrasosseous (extramedullary) plasmacytoma of the adrenal gland [Rogers] e86 (Jy)
- Routine syndecan-1 immunohistochemistry AIDS in the diagnosis of chronic endometritis [Bayer-Garner] 1000 (Se)
- Russell body gastritis: an unusual, tumor-like lesion of the gastric mucosa [Erbersdobler] 915 (Au)
- Sclerosing mucocutaneous carcinoma of the parotid gland [Fadare] 1046 (Se)
- Plasmablastic Lymphoma see Lymphoma, Large Cell**
- Plasmacytoma**
Applications of flow cytometry and immunohistochemistry to diagnostic hematopathology [Dunphy] 1004 (Se)
- Detection of clonality with κ and λ immunohistochemical analysis in cutaneous plasmacytomas [Bayer-Garner] 645 (Je)
- Extrasosseous (extramedullary) plasmacytoma of the adrenal gland [Rogers] e86 (Jy)
- Pathologic quiz case: sacral/pelvic mass with lower back pain in a 36-year-old man: immature plasmacytoma [Yang] 237 (Fe)
- Pathologic quiz case: a 63-year-old renal transplant recipient with a sore throat: posttransplantation lymphoproliferative disorder, plasmacytoma type, with prominent Russell body formation [Syed] e76 (Je)
- Plasminogen**
Effects of pentasaccharide (fondaparinux) and direct thrombin inhibitors on coagulation testing [Gosselin] 1142 (Oc)
- Platelet Count**
Heparin monitoring and patient safety: a College of American Pathologists Q-Probes study of 3431 patients at 140 institutions [Valenstein] 397 (Ap)
- Platelet Transfusion**
Bacterial contamination of platelet units: a case report and literature survey with review of upcoming American Association of Blood Banks requirements [Burns] 279 (Mr)
- College of American Pathologists Laboratory Accreditation checklist item TRM.44955: phase I requirement on bacterial detection in platelets [Shulman] 958 (Se)
- Platelet-Derived Growth Factor**
Immunohistochemical expression of matrix metalloproteinases 1, 2, 9, and 14 in dermatofibrosarcoma protuberans and common fibrous histiocytoma (dermatofibroma) [Weinrach] 1136 (Oc)
- Platelets see Blood Platelets**
- Pleural Diseases**
Pathologic quiz case: bilateral apical lung masses in an autopsy patient: pulmonary apical cap [Mugler] e35 (Fe)
- Pleural Effusion**
Pathologic quiz case: a 52-year-old woman with a pleural mass: metastatic hemangiopericytoma [Jan] 1061 (Se)
- Pathologic quiz case: a patient with Down syndrome presenting with "idiopathic" pericarditis: primary pericardial malignant mesothelioma [Sharaf El-Dean] e107 (Au)
- Pathologic quiz case: a 39-year-old man with diffuse pleural thickening and massive hemothorax: epithelioid angiosarcoma of pleura [Chen] 1299 (No)
- Pleural Neoplasms**
Pathologic quiz case: a 53-year-old man with chest pain and cough: malignant (diffuse) pleural mesothelioma,

biphasic variant, with heterologous differentiation [Schneider] 107 (Ja)

Pathologic quiz case: a 52-year-old woman with a pleural mass: metastatic hemangiopericytoma [Jani] 1061 (Se)

Pathologic quiz case: a 39-year-old man with diffuse pleural thickening and massive hemothorax: epithelioid angiosarcoma of pleura [Chen] 1299 (No)

Recurrent solitary fibrous tumor of the pleura with malignant transformation [Kanthan] 460 (Ap)

The spectrum of Kit (CD117) immunoreactivity in lung and pleural tumors: a study of 96 cases using a single-source antibody with a review of the literature [Butnor] 538 (My)

Ploidies

Abstracts from the College of American Pathologists 2003 Annual Meeting (CAP '03), 139 (Fe)

Comparative assays for the *HER-2/neu* oncogene status in breast cancer [Vera-Román] 627 (Je)

Immunohistochemical characterization of p57^{kip2} expression in tetraploid hydropic placentas [Fukunaga] 897 (Au)

Survivin and Bcl-2 expression in prostatic adenocarcinomas [Kaur] 39 (Ja)

Twin pregnancy with partial hydatidiform mole and co-existent fetus [Chu] 1305 (No)

Pneumocystis carinii

Pneumocystis carinii infection: update and review [Wazir] 1023 (Se)

The use of polarization microscopy in the diagnosis of *Pneumocystis pneumonia* [An] 363 (Mr)

Pneumonia

Fatal hemorrhagic pneumonia concomitant with *Chlamydia pneumoniae* and parainfluenza virus 4 infection [Rubinas] 640 (Je)

Pathologic quiz case: an 18-year-old man presenting with sepsis following a recent pharyngeal infection: Lemierre syndrome [Plymyer] 813 (Jy)

Pathologic quiz case: a 13-year-old boy with a 2-day history of fever, vomiting, and mental status changes: *Chromobacterium violaceum* bacteremia [Grier] e131 (Oc)

Pneumonia, Pneumocystis

Pneumocystis carinii infection: update and review [Wazir] 1023 (Se)

The use of polarization microscopy in the diagnosis of *Pneumocystis pneumonia* [An] 363 (Mr)

Point-of-Care Systems

Advancing Practice, Instruction, and Innovation Through Informatics (APIII 2003): scientific session and e-poster abstracts, 1089 (Oc)

Comparative analytical costs of central laboratory glucose and bedside glucose testing: a College of American Pathologists Q-Probes study [Howanitz] 739 (Jy)

Poisoning

Pathologic quiz case: repeated positive ethylene glycol levels by gas chromatography: central venous line contamination of blood samples by propylene glycol from intravenous lorazepam injections [Hilliard] e79 (Je)

Poliomyelitis

Spinal cord neuropathology in human West Nile virus infection [Franklin] 533 (My)

Spinal cord neuropathology in human West Nile virus infection (letter) [Arya] (reply) [Franklin] 1210 (No)

Polymerase Chain Reaction

Advancing Practice, Instruction, and Innovation Through Informatics (APIII 2003): scientific session and e-poster abstracts, 1089 (Oc)

Microdissection techniques for molecular testing in surgical pathology [Hunt] 1372 (De)

Use of polymerase chain reaction to diagnose tubercular arthritis from joint tissues and synovial fluid (letter) [Arya] (reply) [Titov] 1326 (De)

Use of polymerase chain reaction to diagnose tubercular arthritis from joint tissues and synovial fluid [Titov] 205 (Fe)

The value of fluorescence in situ hybridization and polymerase chain reaction in the diagnosis of B-cell non-Hodgkin lymphoma in fine-needle aspiration [Safley] 1395 (De)

Polymorphism (Genetics)

Adding pharmacogenetics to the clinical laboratory: narrow therapeutic index medications as a place to start [Bukaveckas] 1330 (De)

Effect of polymorphisms in the cytochrome P450 CYP2C9 gene on warfarin anticoagulation [Adcock] 1360 (De)

Lipoprotein lipase gene polymorphism and lipid profile in coronary artery disease [Duman] 869 (Au)

The -omics era and its impact [Kiehl] 1337 (De)

Polynomial Method see Models, Statistical

Polyomavirus Infections

Evidence for involvement of transforming growth factor β 1 signaling pathway in activation of JC virus in human immunodeficiency virus 1-associated progressive multifocal leukoencephalopathy [Enam] 282 (Mr)

Pathologic quiz case: a 54-year-old deceased man with

diffuse subcortical lesions of the central nervous system; progressive multifocal leukoencephalopathy [Wang] e70 (Ap)

Polyomavirus in a lung transplant patient [Jani] 1463 (De)

Stability of JC virus coding sequences in a case of progressive multifocal leukoencephalopathy in which the viral control region was rearranged markedly [Zheng] 275 (Mr)

Polyps

Diffuse giant inflammatory polyposis: a challenging clinicopathologic diagnosis [Sheikholeslami] 1286 (No)

Distinct secreted Frizzled receptor protein 1 staining pattern in patients with hyperplastic polyposis coli syndrome [Oberschmid] 967 (Se)

Isolated gastric malakoplakia: a case report and review of the literature [Gustavo] e153 (No)

Posttransplant primary cutaneous Ki-1 (CD30)⁺/CD56⁺ anaplastic large cell lymphoma [Kima] e96 (Au)

Polymerases

Effects of pentasaccharide (fondaparinux) and direct thrombin inhibitors on coagulation testing [Gosselin] 1142 (Oc)

Portal Vein

Sinusoidal dilatation and congestion in liver biopsy: is it always due to venous outflow impairment? [Kakar] 901 (Au)

Total fibrous obliteration of main portal vein and portal foam cell venopathy in chronic hepatic allograft rejection [Jain] 64 (Ja)

Postmenopausal

Abstracts from the College of American Pathologists 2003 Annual Meeting (CAP '03), 139 (Fe)

A hydatidiform mole in a postmenopausal woman: a case report and review of the literature [Garcia] 1039 (Se)

Pathologic quiz case: a rapidly increasing breast mass in a postmenopausal woman: malignant adenomyoepithelioma [Harigopal] 235 (Fe)

Pathologic quiz case: a right adnexal mass in a postmenopausal patient: malignant mixed müllerian tumor with heterologous elements arising in the fallopian tube [Humble] e161 (No)

Pathologic quiz case: a 70-year-old woman with postmenopausal bleeding: endometrial intraepithelial carcinoma, clear cell type [Moid] e157 (No)

Potassium

Continuous monitoring of stat and routine outlier turnaround times: two College of American Pathologists Q-Tracks monitors in 291 hospitals [Novis] 621 (Je)

Potter Sequence see Oligohydramnios

Practice Guidelines

The -omics era and its impact [Kiehl] 1337 (De)

Practice Management

Management training for pathology residents: a regional approach [Horowitz] 59 (Ja)

Precancerous Conditions

Abstracts from the College of American Pathologists 2003 Annual Meeting (CAP '03), 139 (Fe)

Advancing Practice, Instruction, and Innovation Through Informatics (APIII 2003): scientific session and e-poster abstracts, 1089 (Oc)

Can human papillomavirus DNA testing substitute for cytology in the detection of high-grade cervical lesions? [Lee] 298 (Mr)

Combining human papillomavirus testing or cervicography with cytology to detect cervical neoplasia [Howard] 1257 (No)

Comparison of human papillomavirus DNA prevalence in atypical squamous cells of undetermined significance subcategories as defined by the original Bethesda 1991 and the new Bethesda 2001 Systems [Pirog] 527 (My)

Comparison of performance of conventional and Thin-Prep gynecologic preparations in the College of American Pathologists Gynecologic Cytology Program [Renshaw] 17 (Ja)

Delivering human papillomavirus testing to the public (letter) [Densiedt] (reply) [Davey] 10 (Ja)

Distinct secreted Frizzled receptor protein 1 staining pattern in patients with hyperplastic polyposis coli syndrome [Oberschmid] 967 (Se)

Practice patterns of clinicians following isolated diagnoses of atypical small acinar proliferation on prostate biopsy specimens [Fadare] 557 (My)

Predictive Value of Tests

Can human papillomavirus DNA testing substitute for cytology in the detection of high-grade cervical lesions? [Lee] 298 (Mr)

Diagnostic and prognostic value of cardiac troponin I assays in patients admitted with symptoms suggestive of acute coronary syndrome [Apple] 430 (Ap)

Hemoglobin C and hemoglobin O-Arab variants can be diagnosed using the Bio-Rad Variant II high-performance liquid chromatography system without further confirmatory tests [Joutovsky] 435 (Ap)

Quality indices in a cervicovaginal cytology service: before and after laboratory accreditation [Tan] 303 (Mr)

Prednisone

Pathologic quiz case: a 54-year-old liver transplant recipient with diffuse thickening of the sigmoid colon: malakoplakia of the colon associated with liver transplant [Weinrach] e133 (Oc)

Pathologic quiz case: progressive fatal encephalopathy in an immunosuppressed patient with a history of discoid lupus erythematosus: subacute granulomatous meningoencephalitis (*Acanthamoeba culbertsoni*) [Uschuplich] e109 (Se)

Pregnancy

47,XXY with associated bilateral renal agenesis [Barroeta] e44 (Mr)

Leishmania in the glomerulus [Kumar] 935 (Au)

Pathologic quiz case: a 29-year-old woman with thrombocytosis: chronic myelogenous leukemia [Baila] e63 (Ap)

Three cases of massive fetomaternal hemorrhage presenting without clinical suspicion [Pourbabak] 463 (Ap)

Pregnancy, Abdominal

Splenic pregnancy: a case report and review of the literature [Kalof] e146 (No)

Pregnancy, Ectopic

Splenic pregnancy: a case report and review of the literature [Kalof] e146 (No)

Pregnancy, Multiple

Twin pregnancy with partial hydatidiform mole and co-existent fetus [Chu] 1305 (No)

Prenatal Diagnosis

Evaluation of a dimeric inhibin-A assay for assessing fetal Down syndrome: establishment, comparison, and monitoring of median concentrations for normal pregnancies [Erickson] 415 (Ap)

Preservation, Biological

Evaluation of add-on testing in the clinical chemistry laboratory of a large academic medical center: operational considerations [Melanson] 885 (Au)

Quality control analysis of the potential for asbestos contamination during tissue processing in pathology laboratories [Dodson] 781 (Jy)

Preservatives, Pharmaceutical

Pathologic quiz case: repeated positive ethylene glycol levels by gas chromatography: central venous line contamination of blood samples by propylene glycol from intravenous lorazepam injections [Hilliard] e79 (Je)

Prevalence

Comparison of human papillomavirus DNA prevalence in atypical squamous cells of undetermined significance subcategories as defined by the original Bethesda 1991 and the new Bethesda 2001 Systems [Pirog] 527 (My)

Prevention and Control

Correlation of plasma coagulation parameters with thrombophylaxis, patient characteristics, and outcome in the MEDENOX study [Desjardins] 519 (My)

Febrile nonhemolytic transfusion reactions: management by premedication and cost implications in adult patients [Ezidiagwu] 991 (Se)

Pneumocystis carinii infection: update and review [Wazir] 1023 (Se)

Primaquine

Pneumocystis carinii infection: update and review [Wazir] 1023 (Se)

Procainamide

Adding pharmacogenetics to the clinical laboratory: narrow therapeutic index medications as a place to start [Bukaveckas] 1330 (De)

Professional Practice

Practice patterns of clinicians following isolated diagnoses of atypical small acinar proliferation on prostate biopsy specimens [Fadare] 557 (My)

Progesterone

Routine syndecan-1 immunohistochemistry AIDS in the diagnosis of chronic endometritis [Bayer-Garner] 1000 (Se)

Steroid profiles using liquid chromatography-tandem mass spectrometry with atmospheric pressure photoionization source [Guo] 469 (Ap)

Prognosis

Advancing Practice, Instruction, and Innovation Through Informatics (APIII 2003): scientific session and e-poster abstracts, 1089 (Oc)

Cellular proliferative fraction measured with topoisomerase II α predicts malignancy in endocrine pancreatic tumors [Diaz-Rubio] 426 (Ap)

A clinicopathologic evaluation of follicular lymphoma grade 3A versus grade 3B reveals no survival differences [Hsi] 863 (Au)

Diagnostic and prognostic value of cardiac troponin I assays in patients admitted with symptoms suggestive of acute coronary syndrome [Apple] 430 (Ap)

How sensitive is a prostate-specific antigen measurement? how sensitive does it need to be? [Bock] 341 (Mr)

Laboratory and clinical aspects of B-type natriuretic peptides [Elin] 697 (Je)

Molecular diagnostics on lymphoid malignancies [Chan] 1379 (De)

Noninvasive carcinoma of the breast: angiogenesis and cell proliferation [Cao] 893 (Au)

Role of *PTEN* in gastrointestinal stromal tumor progression [Ricci] 421 (Ap)

ProHance see **Gadoteridol**

Propylene Glycol

Pathologic quiz case: repeated positive ethylene glycol levels by gas chromatography: central venous line contamination of blood samples by propylene glycol from intravenous lorazepam injections [Hilliard] e79 (Je)

Prostate

Prostate gland-like epithelium in the epididymis: a case report and review of the literature [Lee] e60 (Ap)

Prostate-Specific Antigen

How sensitive is a prostate-specific antigen measurement? how sensitive does it need to be? [Bock] 341 (Mr)

Prostate gland-like epithelium in the epididymis: a case report and review of the literature [Lee] e60 (Ap)

Prostatic Intraepithelial Neoplasia

Practice patterns of clinicians following isolated diagnoses of atypical small acinar proliferation on prostate biopsy specimens [Fadare] 557 (My)

Prostatic Neoplasms

Abstracts from the College of American Pathologists 2003 Annual Meeting (CAP '03), 139 (Fe)

Collision metastasis of prostatic and colonic adenocarcinoma: report of 2 cases [Wade] 318 (Mr)

Expression of cysteine protease protein 32 in prostatic adenocarcinoma correlates with tumor grade [Anwar] 649 (Je)

Frequent expression of human carcinoma-associated antigen, a mucin-type glycoprotein, in cells of prostatic carcinoma [Li] 1412 (De)

How sensitive is a prostate-specific antigen measurement? how sensitive does it need to be? [Bock] 341 (Mr)

Low-grade neuroendocrine carcinoma (carcinoid tumor) of the prostate [Reyes] e166 (De)

Pathologic quiz case: a 70-year-old man with bladder outflow obstruction: prostatic stromal sarcoma [Malhotra] e81 (Je)

Pathologic quiz case: a 35-year-old man with hematuria: paraganglioma involving the prostate [Parvani] e104 (Au)

Practice patterns of clinicians following isolated diagnoses of atypical small acinar proliferation on prostate biopsy specimens [Fadare] 557 (My)

Survivin and Bcl-2 expression in prostatic adenocarcinomas [Kaur] 39 (Ja)

Prostatitis

Pathologic quiz case: bladder tumor in a 41-year-old man: cystitis glandularis of intestinal type with mucin extravasation [Mukhopadhyay] e89 (Jy)

Protein Array Analysis

Advancing Practice, Instruction, and Innovation Through Informatics (APIII 2003): scientific session and e-poster abstracts, 1089 (Oc)

Protein C

Effects of pentasaccharide (fondaparinux) and direct thrombin inhibitors on coagulation testing [Gosselin] 1142 (Oc)

Protein Gene Product 9.5 see **Proteins**

Protein p16

Abstracts from the College of American Pathologists 2003 Annual Meeting (CAP '03), 139 (Fe)

Protein p24 see **HIV Core Protein p24**

Protein p53

Abstracts from the College of American Pathologists 2003 Annual Meeting (CAP '03), 139 (Fe)

Comparative assays for the *HER-2/neu* oncogene status in breast cancer [Vera-Román] 627 (Je)

Distinct secreted Frizzled receptor protein 1 staining pattern in patients with hyperplastic polyposis coli syndrome [Oberschmidt] 967 (Se)

Protein p57

Immunohistochemical characterization of p57^{Kip2} expression in tetraploid hydropic placentas [Fukunaga] 897 (Au)

Protein p63

Abstracts from the College of American Pathologists 2003 Annual Meeting (CAP '03), 139 (Fe)

Protein S

Effects of pentasaccharide (fondaparinux) and direct thrombin inhibitors on coagulation testing [Gosselin] 1142 (Oc)

Proteins

Arch Pathol Lab Med—Vol 128, December 2004

Granular cell tumor: immunohistochemical assessment of inhibin- α , protein gene product 9.5, S100 protein, CD68, and Ki-67 proliferative index with clinical correlation [Le] 771 (Jy); correction, 844 (Au)

Protein-Tyrosine Kinase

The spectrum of Kit (CD117) immunoreactivity in lung and pleural tumors: a study of 96 cases using a single-source antibody with a review of the literature [Butnor] 538 (My)

Proteinuria

A 59-year-old woman with immunotactoid glomerulopathy, heavy-chain disease, and non-Hodgkin lymphoma [Jacobson] 689 (Je)

Pathology of plasma cell dyscrasia: how much can we learn from autopsy studies? 1082 (Oc); correction [Picken] 1322 (De)

Proteoglycans

Routine syndecan-1 immunohistochemistry AIDS in the diagnosis of chronic endometritis [Bayer-Garner] 1000 (Se)

Proteomics

Advancing Practice, Instruction, and Innovation Through Informatics (APIII 2003): scientific session and e-poster abstracts, 1089 (Oc)

The -omics era and its impact [Kiechle] 1337 (De)

Prothrombin

Correlation of plasma coagulation parameters with thromboprophylaxis, patient characteristics, and outcome in the MEDENOX study [Desjardins] 519 (My)

Effects of pentasaccharide (fondaparinux) and direct thrombin inhibitors on coagulation testing [Gosselin] 1142 (Oc)

Prothrombin Time

In-house calibration of the international sensitivity index or calibration curve for determination of the international normalized ratio [Brien] 308 (Mr)

Proto-Oncogene Protein cts

Immunohistochemical expression of matrix metalloproteinases 1, 2, 9, and 14 in dermatofibrosarcoma protuberans and common fibrous histiocytoma (dermatofibroma) [Weinrach] 1136 (Oc)

Proto-Oncogene Proteins

Distinct secreted Frizzled receptor protein 1 staining pattern in patients with hyperplastic polyposis coli syndrome [Oberschmidt] 967 (Se)

Proto-Oncogene Proteins c-Bcl-2

Follicular lymphoma with a Burkitt translocation—predictor of an aggressive clinical course: a case report and review of the literature [Voorhees] 210 (Fe)

Survivin and Bcl-2 expression in prostatic adenocarcinomas [Kaur] 39 (Ja)

Proto-Oncogene Proteins c-Kit

The spectrum of Kit (CD117) immunoreactivity in lung and pleural tumors: a study of 96 cases using a single-source antibody with a review of the literature [Butnor] 538 (My)

Protozoa

Pathologic quiz case: progressive fatal encephalopathy in an immunosuppressed patient with a history of discoid lupus erythematosus: subacute granulomatous meningoencephalitis (*Acanthamoeba culbertsoni*) [Uchuplich] e109 (Se)

Pneumocystis carinii infection: update and review [Wazir] 1023 (Se)

PTEN see **Genes, Tumor Suppressor**

Public Health

Advancing Practice, Instruction, and Innovation Through Informatics (APIII 2003): scientific session and e-poster abstracts, 1089 (Oc)

The -omics era and its impact [Kiechle] 1337 (De)

Use of polymerase chain reaction to diagnose tubercular arthritis from joint tissues and synovial fluid (letter) [Arya] (reply) [Titov] 1326 (De)

Pulmonary Apical Cap see **Pulmonary Fibrosis**

Pulmonary Diseases see **Lung Diseases**

Pulmonary Edema

Severe acute respiratory syndrome: overview with an emphasis on the Toronto experience [Mazzulli] 1346 (De)

Pulmonary Embolism

Correlation of plasma coagulation parameters with thromboprophylaxis, patient characteristics, and outcome in the MEDENOX study [Desjardins] 519 (My)

Multifocal polypoid endometriosis presenting as huge pelvic masses causing deep vein thrombosis [Laird] 561 (My)

Pathologic quiz case: bilateral apical lung masses in an autopsy patient: pulmonary apical cap [Mugler] e35 (Fe)

Pulmonary Fibrosis

Pathologic quiz case: bilateral apical lung masses in an autopsy patient: pulmonary apical cap [Mugler] e35 (Fe)

Pulmonary and ophthalmic involvement with Erdheim-

Chester disease: a case report and review of the literature [Allen] 1428 (De)

Purine-Nucleoside Phosphorylase

Current applications of flow cytometry in the diagnosis of primary immunodeficiency diseases [Illloh] 23 (Ja)

Purpura, Thrombotic Thrombocytopenic

Radiographically occult, diffuse intrasinusoidal hepatic metastases from primary breast carcinomas: a clinicopathologic study of 3 autopsy cases [Allison] 1418 (De)

PvuII see **DNA Restriction Enzymes**

Pyloric Antrum

Inlet patch: prevalence, histologic type, and association with esophagitis, Barrett esophagus, and antritis [Tang] 444 (Ap)

Pancreatic heterotopia in the gastric antrum [Chandan] 111 (Ja)

Pyrimidine Nucleosides

Cytosine arabinoside substitution decreases transcription factor-DNA binding element complex formation [Zhang] 1364 (De)

Q

Quality Assurance, Health Care

The challenge of using autopsy information for quality improvement (letter) [Horowitz] (reply) [Bove], 850 (Au)

Cytologic features of squamous cell carcinoma in ThinPrep slides: evaluation of cases that performed poorly versus those that performed well in the College of American Pathologists Interlaboratory Comparison Program in Cervicovaginal Cytology [Renshaw] 403 (Ap)

Heparin monitoring and patient safety: a College of American Pathologists Q-Probes study of 3431 patients at 140 institutions [Valenstein] 397 (Ap)

How the pediatric autopsy yields valuable information in a vertically integrated health care system [Newton] 1239 (No)

Quality Control

Advancing Practice, Instruction, and Innovation Through Informatics (APIII 2003): scientific session and e-poster abstracts, 1089 (Oc)

Calibration verification performance relates to proficiency testing performance [Kroll] 544 (My)

The challenge of using autopsy information for quality improvement [Bove] 11 (Ja)

Continuous monitoring of stat and routine outlier turnaround times: two College of American Pathologists Q-Tracks monitors in 291 hospitals [Novis] 621 (Je)

Evaluation of linearity in the clinical laboratory [Jhang] 44 (Ja)

Evaluation of linearity in the clinical laboratory (letter) [Tholen] (reply) [Jhang] 1078 (Oc)

Fluids—good and bad actors: observations from the College of American Pathologists Interlaboratory Comparison Program in Nongynecologic Cytology [Moriarty] 513 (My)

An improved failure mode effects analysis for hospitals [Krouwer] 663 (Je)

Laboratory and clinical aspects of B-type natriuretic peptides [Elin] 697 (Je)

Quality control analysis of the potential for asbestos contamination during tissue processing in pathology laboratories [Dodson] 781 (Jy)

Quality indices in a cervicovaginal cytology service: before and after laboratory accreditation [Tan] 303 (Mr)

Quinidine

Adding pharmacogenetics to the clinical laboratory: narrow therapeutic index medications as a place to start [Bukaveckas] 1330 (De)

R

Race see **Continental Population Groups**

Radiculopathy

Pathologic quiz case: back pain in a 48-year-old woman: myxopapillary ependymoma [Berns] 811 (Jy)

Radiography

Radiographically occult, diffuse intrasinusoidal hepatic metastases from primary breast carcinomas: a clinicopathologic study of 3 autopsy cases [Allison] 1418 (De)

Radiotherapy

Microdissection genotyping of mixed glial and primitive neuroectodermal central nervous system neoplasm [Mohan] 1161 (Oc)

Raloxifene

Pathologic quiz case: an indurated plaque on the ankle of a 74-year-old woman: interstitial granulomatous drug reaction [Siam] e129 (Oc)

Reagent Kits, Diagnostic

Diagnostic and prognostic value of cardiac troponin I as-

says in patients admitted with symptoms suggestive of acute coronary syndrome [Apple] 430 (Ap)

Evaluation of a dimeric inhibin-A assay for assessing fetal Down syndrome: establishment, comparison, and monitoring of median concentrations for normal pregnancies [Erickson] 415 (Ap)

Reagent Strips
Reagent strips may not detect *Staphylococcus epidermidis* contamination of platelet concentrates [Tarrand] 852 (Au)

Reals, William Joseph, 506 (My)

Receptor, Epidermal Growth Factor
Epidermal growth factor receptor status in breast cancer metastases to the central nervous system: comparison with HER-2/*neu* status [Grupka] 974 (Se)

Transforming growth factor α and epidermal growth factor receptor in reactive and malignant mesothelial proliferations [Cai] 68 (Ja)

Receptor, erbB-2
Abstracts from the College of American Pathologists 2003 Annual Meeting (CAP '03), 139 (Fe)

Epidermal growth factor receptor status in breast cancer metastases to the central nervous system: comparison with HER-2/*neu* status [Grupka] 974 (Se)

Receptor-CD3 Complex, Antigen, T-Cell
Current applications of flow cytometry in the diagnosis of primary immunodeficiency diseases [Illoh] 23 (Ja)

Receptors, Androgen
Allelic loss of the active X chromosome during bladder carcinogenesis [Cheng] 187 (Fe)

Receptors, Estrogen
Abstracts from the College of American Pathologists 2003 Annual Meeting (CAP '03), 139 (Fe)

Cystic nephroma: a histologic and immunohistochemical study of 10 cases [Mukhopadhyay] 1404 (De)

Receptors, G-Protein-Coupled
Advancing Practice, Instruction, and Innovation Through Informatics (APIII 2003): scientific session and e-poster abstracts, 1089 (Oc)

Distinct secreted Frizzled receptor protein 1 staining pattern in patients with hyperplastic polyposis coli syndrome [Oberschmidt] 967 (Se)

Receptors, Interleukin-7
Current applications of flow cytometry in the diagnosis of primary immunodeficiency diseases [Illoh] 23 (Ja)

Receptors, Progesterone
Cystic nephroma: a histologic and immunohistochemical study of 10 cases [Mukhopadhyay] 1404 (De)

Recombination Activating Genes see Genes, RAG-1

Recombination, Genetic
Stability of JC virus coding sequences in a case of progressive multifocal leukoencephalopathy in which the viral control region was rearranged markedly [Zheng] 275 (Mr)

Rectal Neoplasms
Carcinoid tumor arising in a tailgut cyst of the anorectal junction with distant metastasis: a case report and review of the literature [Song] 578 (My)

Rectum
Pathologic quiz case: multiple congenital birth defects in a full-term infant: urorectal septum malformation sequence [He] e73 (Ap)

Red Blood Cells see Erythrocytes

Reed-Sternberg Cells
Leukemoid reaction: a diagnostic clue in metastatic carcinoma mimicking classic Hodgkin lymphoma [Mukhopadhyay] 1445 (De)

Reference Standards
Evaluation of a dimeric inhibin-A assay for assessing fetal Down syndrome: establishment, comparison, and monitoring of median concentrations for normal pregnancies [Erickson] 415 (Ap)

Evaluation of linearity in the clinical laboratory [Jhang] 44 (Ja)

Evaluation of linearity in the clinical laboratory (letter) [Tholen] (reply) [Jhang] 1078 (Oc)

In-house calibration of the international sensitivity index or calibration curve for determination of the international normalized ratio [Brien] 308 (Mr)

Steroid profiles using liquid chromatography-tandem mass spectrometry with atmospheric pressure photoionization source [Guo] 469 (Ap)

Referral and Consultation
Advancing Practice, Instruction, and Innovation Through Informatics (APIII 2003): scientific session and e-poster abstracts, 1089 (Oc)

Diagnosing allergic diseases in children: practical recommendations for consulting pathologists [Homburger] 1028 (Se)

Physician survey of a laboratory medicine interpretive service and evaluation of the influence of interpretations on laboratory test ordering [Laposata] 1424 (De)

Reflectance Spectroscopy see Spectrum Analysis

Regulatory Sequences, Nucleic Acid

Stability of JC virus coding sequences in a case of progressive multifocal leukoencephalopathy in which the viral control region was rearranged markedly [Zheng] 275 (Mr)

Remote Consultation
Advancing Practice, Instruction, and Innovation Through Informatics (APIII 2003): scientific session and e-poster abstracts, 1089 (Oc)

Renal Agenesis see Congenital, Hereditary, and Neonatal Diseases and Abnormalities

Renal Dialysis
Pathologic quiz case: a 77-year-old woman with bilateral breast masses: amyloidosis involving the breast [Fleury] e67 (Ap)

Renal Infarction see Infarction

Renal Insufficiency see Kidney Failure

Renin
Pathologic quiz case: a symptomatic renal tumor: juxtaglomerular cell tumor [Kuten] e112 (Se)

Reproducibility of Results
Comparison of human papillomavirus DNA prevalence in atypical squamous cells of undetermined significance subcategories as defined by the original Bethesda 1991 and the new Bethesda 2001 Systems [Firog] 527 (My)

Evaluation of a dimeric inhibin-A assay for assessing fetal Down syndrome: establishment, comparison, and monitoring of median concentrations for normal pregnancies [Erickson] 415 (Ap)

Steroid profiles using liquid chromatography-tandem mass spectrometry with atmospheric pressure photoionization source [Guo] 469 (Ap)

Residency see Internship and Residency

RESIDENTS' PAGES
Pathologic quiz case: an abdominopelvic mass in a 13-year-old adolescent girl: predominantly mature cystic teratoma with minimal immature neuroglia and gliomatosis peritonei [Stephany] 705 (Je)

Pathologic quiz case: an anterior neck mass in a 5-month-old female infant: wattle (congenital cervical tragus) [Rund] 1453 (De)

Pathologic quiz case: an asymptomatic 79-year-old woman with an abnormal Papanicolaou test: adenoid basal carcinoma of the cervix [Khouri] 485 (Ap)

Pathologic quiz case: back pain in a 48-year-old woman: myxopapillary ependymoma [Berns] 811 (Jy)

Pathologic quiz case: bilateral apical lung masses in an autopsy patient; pulmonary apical cap [Mugler] e35 (Fe)

Pathologic quiz case: bladder tumor in a 41-year-old man: cystitis glandularis of intestinal type with mucin extravasation [Mukhopadhyay] e89 (Jy)

Pathologic quiz case: cystic tumor of the left eyebrow in a 42-year-old woman: benign cutaneous adnexal tumor with combined folliculosebaceous and eccrine differentiation [Iwenofu] 1181 (Oc)

Pathologic quiz case: edema and diarrhea in a 2-year-old boy: Menetrier disease with cytomegalovirus gastritis [Black] e117 (Se)

Pathologic quiz case: an 18-year-old man presenting with sepsis following a recent pharyngeal infection: Lemierre syndrome [Plymeyer] 813 (Jy)

Pathologic quiz case: an 18-year-old man with pain and swelling of the left hand: chondroblastoma [Baisre] e120 (Se)

Pathologic quiz case: an 87-year-old woman with a mass in the tail of the pancreas: pancreatic lymphangioma with "ovarian-like" stroma [Singh] e175 (De)

Pathologic quiz case: an 83-year-old woman with a uterine cervical mass: adenoid cystic carcinoma [Dimashkieh] 817 (Jy)

Pathologic quiz case: an 82-year-old woman with a renal mass: renal cell carcinoma with rhabdoid features [Lee] 109 (Ja)

Pathologic quiz case: an 11-year-old boy with acute-onset right lower abdominal pain: typhilitis (neutropenic enterocolitis) [Wang] 239 (Fe)

Pathologic quiz case: a 15-year-old girl with an intracranial midline mass: pineoblastoma, World Health Organization Grade IV [Song] 707 (Je)

Pathologic quiz case: a 50-year-old man with a lung mass, respiratory distress, and pericardial effusion: metastatic clear cell sarcoma (malignant melanoma of soft parts) [Parwani] e56 (Mr)

Pathologic quiz case: a 15-year-old man with altered mental status and bilateral deep white matter lesions: primary central nervous system B-cell lymphoma [Gupta] 595 (My)

Pathologic quiz case: a 54-year-old deceased man with diffuse subcortical lesions of the central nervous system; progressive multifocal leukoencephalopathy [Wang] e70 (Ap)

Pathologic quiz case: a 54-year-old liver transplant recipient with diffuse thickening of the sigmoid colon: mal-

akoplakia of the colon associated with liver transplant [Weinrach] e133 (Oc)

Pathologic quiz case: a 59-year-old man with a 2-week history of right iliac fossa pain: nonsteroidal anti-inflammatory drug-induced colonic ulcer [Lipper] e39 (Fe)

Pathologic quiz case: a 56-year-old man with bilateral renal masses: bilateral renal oncocytosis [Dimashkieh] e177 (De)

Pathologic quiz case: a 56-year-old woman with anterior nasal pain and intermittent epistaxis: *Alternaria alternata* infection of the nasal sinus [Chen] 1451 (De)

Pathologic quiz case: a 53-year-old man with chest pain and cough: malignant (diffuse) pleural mesothelioma, biphasic variant, with heterologous differentiation [Schneider] 107 (Ja)

Pathologic quiz case: a 52-year-old woman with a pleural mass: metastatic hemangiopericytoma [Jan] 1061 (Se)

Pathologic quiz case: fine-needle aspiration of lytic bone lesions in a 63-year-old woman: metastatic basal cell carcinoma to the bone in Gorlin syndrome [Adem] 819 (Jy)

Pathologic quiz case: a 40-year-old woman with a large pelvic mass, ascites, massive right hydrothorax, and elevated CA 125: uterine symplastic leiomyoma associated with pseudo-Meigs syndrome and elevated CA 125 [Weinrach] 933 (Au)

Pathologic quiz case: a 40-year-old woman with an unusual uterine tumor: uterine angiolipoleiomyoma with focal atypical leiomyoma [Ren] e31 (Fe)

Pathologic quiz case: a 44-year-old woman with an incidental asymptomatic renal mass: atypical epithelioid angiomylipoma [Aljerian] 1176 (Oc)

Pathologic quiz case: a 49-year-old man with left parotid mass: adenocarcinoma, not otherwise specified [Chandani] 487 (Ap)

Pathologic quiz case: a 49-year-old woman with an adrenal mass: pancreatic tissue with nesidioblastosis, adrenocortical adenoma, and ovarian thecal metaplasia in the adrenal gland [Giorgadze] 1294 (No)

Pathologic quiz case: a 42-year-old man with right facial swelling and weakness: dedifferentiated acinic cell carcinoma of the parotid gland [Schultz] e52 (Mr)

Pathologic quiz case: giant mediastinal mass in a 69-year-old man: thymolipoma [Pai] e159 (No)

Pathologic quiz case: headache in an 8-year-old child: primary amebic meningoencephalitis due to *Naegleria fowleri* [Stephany] e33 (Fe)

Pathologic quiz case: hepatosplenomegaly in an infant with hypotonia and coarse facial features: gangliosidosis type 1 [Bu-Gharios] 1297 (No)

Pathologic quiz case: incidental bilateral testicular nodules in an African American man: large cell calcifying Sertoli cell tumor [Aydin] 587 (My)

Pathologic quiz case: incidental ovarian lesions in a 48-year-old woman with Peutz-Jeghers syndrome: ovarian sex cord tumor with annular tubules [Fadare] 353 (Mr)

Pathologic quiz case: an incidentally detected mass of the uterine cervix: mesonephric adenocarcinoma of the cervix [Angeles] 1179 (Oc)

Pathologic quiz case: an indurated plaque on the ankle of a 74-year-old woman: interstitial granulomatous drug reaction [Siami] e129 (Oc)

Pathologic quiz case: infratentorial tumor in a middle-aged woman: oncocytic variant of choroid plexus: papilloma [Buccoliero] 1448 (De)

Pathologic quiz case: a large recurrent thigh mass in a 79-year-old woman: inflammatory liposarcoma occurring as a component of a recurrent, well-differentiated, lipoma-like liposarcoma [Lovell] e21 (Ja)

Pathologic quiz case: lytic femoral lesion and renal cysts in a 66-year-old man: occult follicular carcinoma of the thyroid [Rund] 359 (Mr)

Pathologic quiz case: a multicystic mass of the pancreatic body in a 70-year-old man: serous microcystic adenoma of the pancreas [Chen] e83 (Je)

Pathologic quiz case: multiple congenital birth defects in a full-term infant: urorectal septum malformation sequence [He] e73 (Ap)

Pathologic quiz case: multiple cutaneous lesions in a 27-year-old woman: cutaneous *Histoplasma capsulatum* [Stephany] e15 (Ja)

Pathologic quiz case: multiple liver and lung nodules: epithelioid hemangioendothelioma of the liver [Blaney] e183 (De)

Pathologic quiz case: multiple splenic lesions in a bacteremic patient: littoral cell angiomatosis of the spleen [Fadare] 1183 (Oc)

Pathologic quiz case: myxoid tibial lesion in a 31-year-old man: low-grade myxofibrosarcoma [Kapur] e65 (Ap)

Pathologic quiz case: a newborn with a midline buccal mucosa mass: congenital gingival granular cell tumor (congenital epulis) [Godra] 585 (My)

Pathologic quiz case: a newborn with seizures: cortical

- dysplasia (malformation of cortical development) [Spencer] e91 (Jy)
- Pathologic quiz case:** paratesticular mass in a young man: inflammatory myofibroblastic tumor of the paratestis [Kapur] 589 (My)
- Pathologic quiz case:** a patient with Down syndrome presenting with "idiopathic" pericarditis: primary pericardial malignant mesothelioma [Sharaf El-Dean] e107 (Au)
- Pathologic quiz case:** patient with testicular pain: benign Leydig cell tumor [Adeagbo] 105 (Ja)
- Pathologic quiz case:** progressive fatal encephalopathy in an immunosuppressed patient with a history of discoid lupus erythematosus: subacute granulomatous meningoencephalitis (*Acanthamoeba culbertsoni*) [Uschuplich] e109 (Se)
- Pathologic quiz case:** progressive headaches in a 50-year-old woman: choroid meningioma [Green] e115 (Se)
- Pathologic quiz case:** a rapidly increasing breast mass in a postmenopausal woman: malignant adenomyoepithelioma [Harigopal] 235 (Fe)
- Pathologic quiz case:** renal impairment after bone marrow transplantation: bone marrow transplant nephropathy [Chan] 233 (Fe)
- Pathologic quiz case:** renal mass in a 3-week-old infant: congenital mesoblastic nephroma, mixed type [Munivenkatappa] 929 (Au)
- Pathologic quiz case:** renal mass in an otherwise healthy man: epithelioid angiomylipoma [Rubinas] e19 (Ja)
- Pathologic quiz case:** repeated positive ethylene glycol levels by gas chromatography: central venous line contamination of blood samples by propylene glycol from intravenous lorazepam injections [Hilliard] e79 (Je)
- Pathologic quiz case:** a right adnexal mass in a postmenopausal patient: malignant mixed müllerian tumor with heterologous elements arising in the fallopian tube [Humble] e161 (No)
- Pathologic quiz case:** right renal mass found incidentally in a 44-year-old woman: metanephric adenoma [Angeles] 926 (Au)
- Pathologic quiz case:** sacral/pelvic mass with lower back pain in a 36-year-old man: immature plasmacytoma [Yang] 237 (Fe)
- Pathologic quiz case:** a 17-year-old renal transplant patient with persistent fever, pancytopenia, and axillary lymphadenopathy: bacillary angiomatosis of the lymph node in the renal transplant recipient [Juskevicius] e12 (Ja)
- Pathologic quiz case:** a 70-year-old man with bladder outflow obstruction: prostatic stromal sarcoma [Malhotra] e81 (Je)
- Pathologic quiz case:** a 70-year-old woman with postmenopausal bleeding: endometrial intraepithelial carcinoma, clear cell type [Moid] e157 (No)
- Pathologic quiz case:** a 74-year-old man with an incidental retroperitoneal tumor found at autopsy: presacral myeloidipoma [Mariappan] 591 (My)
- Pathologic quiz case:** a 60-year-old woman with bilateral breast masses: amyloidosis involving the breast [Fleury] e67 (Ap)
- Pathologic quiz case:** a 76-year-old debilitated woman with a right thigh mass: ischemic fasciitis (atypical decubital fibroplasia) [Washing] e139 (Oc)
- Pathologic quiz case:** a 73-year-old man with a bladder mass: combined primary small cell neuroendocrine carcinoma and high-grade papillary urothelial carcinoma of the urinary bladder [Lau] 1055 (Se)
- Pathologic quiz case:** a 60-year-old woman with diffuse uterine enlargement: primary osteosarcoma of the uterus [Ribeiro-Silva] e172 (De)
- Pathologic quiz case:** a 68-year-old man with thrombocytosis and ringed sideroblasts: essential thrombocythemia with ringed sideroblasts [Jani] 815 (Jy)
- Pathologic quiz case:** a 64-year-old man with hematuria, intracranial hemorrhage, and severe coagulation abnormalities: long-acting warfarin-like rodenticide toxicity [Kurbegov] e181 (De)
- Pathologic quiz case:** a 69-year-old asymptomatic man with a scrotal mass: atypical (sympatric or bizarre) leiomyoma of the scrotum [Fadare] e37 (Fe)
- Pathologic quiz case:** a 69-year-old man with a brown-black facial papule: melanocytic matricoma [Horenstein] e163 (No)
- Pathologic quiz case:** a 63-year-old renal transplant recipient with a sore throat: posttransplantation lymphoproliferative disorder, plasmacytoma type, with prominent Russell body formation [Syed] e76 (Je)
- Pathologic quiz case:** a 63-year-old woman with a pigmented perineal lesion: extramammary Paget disease [Gumurdula] e23 (Ja)
- Pathologic quiz case:** a slow and awkward child: central core disease [Giampetro] 481 (Ap)
- Pathologic quiz case:** soft tissue calcifications of the shoulder in a 31-year-old woman: synovial chondromatosis [Lorusso] 1455 (De)
- Pathologic quiz case:** a solitary breast nodule in an elderly woman: fasciitis ossificans of the breast [Lui] e29 (Fe)
- Pathologic quiz case:** supraclavicular subcutaneous nodule in a 24-year-old woman: myxoid plexiform fibrohistiocytic tumor without multinucleated giant cells [Chen] 931 (Au)
- Pathologic quiz case:** a symptomatic renal tumor: juxtaglomerular cell tumor [Kuten] e112 (Se)
- Pathologic quiz case:** a 10-year-old boy with weakness, lethargy, and edema: arrhythmogenic right ventricular cardiomyopathy, cardiomyopathic pattern [White] 700 (Je)
- Pathologic quiz case:** testicular pain and scrotal swelling in a 25-year-old man: large cell calcifying Sertoli cell tumor of the testis [Evans] e137 (Oc)
- Pathologic quiz case:** a 13-year-old boy with a 2-day history of fever, vomiting, and mental status changes: *Chromobacterium violaceum* bacteremia [Grier] e131 (Oc)
- Pathologic quiz case:** a 30-year-old man with a white plaque in the oral mucosa: smokeless tobacco keratosis [Sheth] e17 (Ja)
- Pathologic quiz case:** a 30-year-old man with lower abdominal and back pain: anaplastic large cell lymphoma (Ki-1 lymphoma) of the pancreas [Parwani] e179 (De)
- Pathologic quiz case:** a 35-year-old man with hematuria: paraganglioma involving the prostate [Parwani] e104 (Au)
- Pathologic quiz case:** a 34-year-old woman with abdominal pain and a large right multicystic ovarian mass: müllerian adenocarcinoma arising in an endometriotic cyst [Al-Abbadi] 1057 (Se)
- Pathologic quiz case:** a 34-year-old woman with an inguinal mass: female adnexal tumor of probable wolffian origin [Halushka] 1301 (No)
- Pathologic quiz case:** a 32-year-old Western-Indian woman with a history of chronic abdominal pain and a cystic mass of pancreas: mucinous cystic neoplasm, adenoma type [Papas] e54 (Mr)
- Pathologic quiz case:** a 3-year-old girl with dysuria and urinary incontinence: primary embryonal rhabdomyosarcoma of the urinary bladder [Parwani] 357 (Mr)
- Pathologic quiz case:** tumor in pigmented thyroid gland in a young man: papillary thyroid carcinoma in a minocycline-induced, diffusely pigmented thyroid gland [Raghavan] 355 (Mr)
- Pathologic quiz case:** a 29-year-old man with a tongue lesion: granular cell tumor [Wroblewski] 1059 (Se)
- Pathologic quiz case:** a 29-year-old woman with thrombocytosis: chronic myelogenous leukemia [Baila] e63 (Ap)
- Pathologic quiz case:** a 27-week female fetus with massive macrocephaly and generalized anasarca: congenital immature intracranial teratoma with skull rupture and high output cardiac failure [Bhattacharya] 102 (Ja)
- Pathologic quiz case:** a 27-year-old man with abdominal pain: Peutz-Jeghers syndrome [Boyanton] 483 (Ap)
- Pathologic quiz case:** a 26-year-old woman with profuse vaginal bleeding: metastatic placental site trophoblastic tumor [Karabakhtian] e50 (Mr)
- Pathologic quiz case:** a 22-year-old woman with a large right adnexal mass: poorly differentiated Sertoli-Leydig cell tumor of the right ovary with retiform differentiation and heterologous elements (mucinous components) [Ching] e93 (Jy)
- Pathologic quiz case:** a 2-month-old male infant with a large hydrocele: epidermoid cyst of the scrotum [Parwani] e135 (Oc)
- Pathologic quiz case:** an unsuspected cause of nephrotic syndrome: heterozygous Fabry disease [Thamboo] 593 (My)
- Pathologic quiz case:** a woman with abdominal fullness: adrenal myeloidipoma [Mathews] 703 (Je)
- Respiration Disorders**
- Pathologic quiz case:** a 50-year-old man with a lung mass, respiratory distress, and pericardial effusion: metastatic clear cell sarcoma (malignant melanoma of soft parts) [Parwani] e56 (Mr)
- Respiratory Insufficiency**
- Pathologic quiz case:** a patient with Down syndrome presenting with "idiopathic" pericarditis: primary pericardial malignant mesothelioma [Sharaf El-Dean] e107 (Au)
- Respiratory Sounds**
- Tracheal stenosis due to cytomegalovirus [Ashton-Sager] 1050 (Se)
- Restriction Enzymes see DNA Restriction Enzymes**
- Reticulin**
- Early nodular hyperplasia of the liver occurring with inflammatory bowel diseases in association with thioguanine therapy [Shastri] 49 (Ja)
- Progression of chronic myeloid leukemia to blast crisis during treatment with imatinib mesylate [Xu] 980 (Se)
- Retroperitoneal Neoplasms**
- Dedifferentiated liposarcoma with a paraganglioma-like histologic pattern: a case report and review of the literature [Liu] 788 (Jy)
- Pathologic quiz case:** a 74-year-old man with an incidental retroperitoneal tumor found at autopsy: presacral myeloidipoma [Mariappan] 591 (My)
- Urachal malignant fibrous histiocytoma: a case report and review of the literature [Wang] 456 (Ap)
- Reviewers for ARCHIVES Manuscripts, 2003, 493 (Ap)**
- Rh Isoimmunization**
- Three cases of massive fetomaternal hemorrhage presenting without clinical suspicion [Pourbabak] 463 (Ap)
- Rhabdoid Tumor**
- Malignant melanoma with a rhabdoid phenotype: histologic, immunohistochemical, and ultrastructural study of a case and review of the literature [Abbott] 686 (Je)
- Pathologic quiz case:** an 82-year-old woman with a renal mass: renal cell carcinoma with rhabdoid features [Lee] 109 (Ja)
- Rhabdomyosarcoma**
- Secondary leptomeningeal sarcomatosis [Grier] 1303 (No)
- Rhabdomyosarcoma, Embryonal**
- Pathologic quiz case:** a 3-year-old girl with dysuria and urinary incontinence: primary embryonal rhabdomyosarcoma of the urinary bladder [Parwani] 357 (Mr)
- Ribavirin**
- Severe acute respiratory syndrome: overview with an emphasis on the Toronto experience [Mazzulli] 1346 (De)
- Ribosomes**
- The -omics era and its impact [Kiechle] 1337 (De)
- Ribs**
- Giant cell tumor of rib masquerading as thymoma: a diagnostic pitfall in needle core biopsy of the mediastinum [Volmar] 452 (Ap)
- Risk Assessment**
- Diagnostic and prognostic value of cardiac troponin I assays in patients admitted with symptoms suggestive of acute coronary syndrome [Apple] 430 (Ap)
- Risk Factors**
- Hyperhomocysteinemia measured by immunoassay: a valid measure of coronary artery atherosclerosis [Stauffenberg] 1263 (No)
- An improved failure mode effects analysis for hospitals [Krouwer] 663 (Je)
- Lipoprotein lipase gene polymorphism and lipid profile in coronary artery disease [Duman] 869 (Au)
- Primary combined squamous and small cell carcinoma of the larynx: a case report and review of the literature [Jaiswal] 1279 (No)
- RNA, Ribosomal**
- Combinatorial genetic technology for the development of new anti-infectives [Laios] 1351 (De)
- RNA, Viral**
- Early stage of Epstein-Barr virus lytic infection leading to the "starry sky" pattern formation in endemic Burkitt lymphoma [Fujita] 549 (My)
- Plasmablastic lymphoma of the cervical lymph nodes in a human immunodeficiency virus-negative patient: a case report and review of the literature [Lin] 581 (My)
- Rodenticides**
- Pathologic quiz case:** a 64-year-old man with hematuria, intracranial hemorrhage, and severe coagulation abnormalities: long-acting warfarin-like rodenticide toxicity [Kurbegov] e181 (De)
- Root Cause Analysis see Medical Errors**
- Russell Bodies**
- Pathologic quiz case:** a 63-year-old renal transplant recipient with a sore throat: posttransplantation lymphoproliferative disorder, plasmacytoma type, with prominent Russell body formation [Syed] e76 (Je)
- Russell body gastritis: an unusual, tumor-like lesion of the gastric mucosa [Erbersdobler] 915 (Au)
- Russell's Viper**
- Effects of pentasaccharide (fondaparinux) and direct thrombin inhibitors on coagulation testing [Gosselin] 1142 (Oc)
- Russia**
- Use of polymerase chain reaction to diagnose tubercular arthritis from joint tissues and synovial fluid (letter) [Arya] (reply) [Titov] 1326 (De)
- Ryanodine Receptor Calcium Release Channel**
- Pathologic quiz case:** a slow and awkward child: central core disease [Giampetro] 481 (Ap)

S100 Proteins

Granular cell tumor: immunohistochemical assessment of inhibin- α , protein gene product 9.5, S100 protein, CD68, and Ki-67 proliferative index with clinical correlation [Le] 771 (Jy); correction, 844 (Au)

Sacroccygeal Region

Pathologic quiz case: sacral/pelvic mass with lower back pain in a 36-year-old man: immature plasmacytoma [Yang] 237 (Fe)

Safety

Clostridium botulinum and the clinical laboratorian: a detailed review of botulism, including biological warfare ramifications of botulinum toxin [Caya] 653 (Je)

Heparin monitoring and patient safety: a College of American Pathologists Q-Probes study of 3431 patients at 140 institutions [Valenstein] 397 (Ap)

Salivary Gland Diseases

Sebaceous differentiation in salivary glands [Mariappan] 245 (Fe)

Salivary Gland Neoplasms

Pathologic quiz case: a 49-year-old man with left parotid mass: adenocarcinoma, not otherwise specified [Chan-dan] 487 (Ap)

Pathologic quiz case: a 42-year-old man with right facial swelling and weakness: dedifferentiated acinic cell carcinoma of the parotid gland [Schultz] e52 (Mr)

Salivary adenocarcinoma, not otherwise specified: a collection of orphans [Li] 1385 (De)

Sclerosing mucoepidermoid carcinoma of the parotid gland [Fadare] 1046 (Se)

Salpingitis

Nodular histiocytic hyperplasia of the endometrium [Fukunaga] 1032 (Se)

Sarcomatosis

Sinusoidal dilatation and congestion in liver biopsy: is it always due to venous outflow impairment? [Kakar] 901 (Au)

Sarcoma

Applications of flow cytometry and immunohistochemistry to diagnostic hematopathology [Dunphy] 1004 (Se)

Dedifferentiated liposarcoma with a paraganglioma-like histologic pattern: a case report and review of the literature [Liu] 788 (Jy)

Fibrous dysplasia with degenerative atypia: a benign lesion potentially mistaken for sarcoma [Bertoni] 794 (Jy)

Histiocytic sarcoma associated with idiopathic myelofibrosis [Fukunaga] 1167 (Oc)

Malignant gastrointestinal leiomyosarcoma and gastrointestinal stromal tumor with prominent osteoclast-like giant cells [Insabato] 440 (Ap)

Pathologic quiz case: a right axillary mass in a postmenopausal patient: malignant mixed müllerian tumor with heterologous elements arising in the fallopian tube [Humble] e161 (No)

Pathologic quiz case: a 60-year-old woman with diffuse uterine enlargement: primary osteosarcoma of the uterus [Ribeiro-Silva] e172 (De)

Role of *PTEN* in gastrointestinal stromal tumor progression [Ricci] 421 (Ap)

Sarcomatoid carcinoma of the small intestine: a case report and review of the literature [Reid-Nicholson] 918 (Au)

Soft tissue amyloidoma of the extremities: a case report and review of the literature [Bardin] 1270 (No)

Sarcoma, Clear Cell

Pathologic quiz case: a 50-year-old man with a lung mass, respiratory distress, and pericardial effusion: metastatic clear cell sarcoma (malignant melanoma of soft parts) [Parwani] e56 (Mr)

Sarcoma, Endometrial Stromal

Pathologic quiz case: a 70-year-old man with bladder outflow obstruction: prostatic stromal sarcoma [Malhotra] e81 (Je)

Sarcoma, Ewing's

Primitive neuroectodermal tumor of the gallbladder [Song] 571 (My)

Sarcoma, Granulocytic

Testicular extramedullary myeloid cell tumor: report of a case with unique clinicopathologic features and a brief review of the literature [Rawal] 332 (Mr)

Sarcoma, Kaposi

Phlegmonous gastritis associated with Kaposi sarcoma: a case report and review of the literature [Yu] 801 (Jy)

Sarcoma, Synovial

Abstracts from the College of American Pathologists 2003 Annual Meeting (CAP '03), 139 (Fe)

Sarcomatosis

Secondary leptomeningeal sarcomatosis [Grier] 1303 (No)

SARS see Severe Acute Respiratory Syndrome

Scalp

Posttransplant primary cutaneous Ki-1 (CD30)⁺/CD56⁺ anaplastic large cell lymphoma [Kim] e96 (Au)

Scalp paraffinoma underlying squamous cell carcinoma [Ko] 1171 (Oc)

Schenken, Jerald Rudolph, 616 (Je)

Schwannoma see Neuilemmoma

Sclerosis

Loss of heterozygosity patterns of sclerosing hemangioma of the lung and bronchioloalveolar carcinoma indicate a similar molecular pathogenesis [Dacic] 880 (Au)

Sclerosing mucoepidermoid carcinoma of the parotid gland [Fadare] 1046 (Se)

Scrotum

Extramammary Paget disease of the scrotum with features of Bowen disease: a case report and review of the literature [Quinn] 84 (Ja)

Intrascrotal lipoblastoma with a complex karyotype: a case report and review of the literature [Somers] 797 (Jy)

Pathologic quiz case: a 69-year-old asymptomatic man with a scrotal mass: atypical (symplocic or bizarre) leiomyoma of the scrotum [Fadare] e37 (Fe)

Pathologic quiz case: testicular pain and scrotal swelling in a 25-year-old man: large cell calcifying Sertoli cell tumor of the testis [Evans] e137 (Oc)

Pathologic quiz case: a 2-month-old male infant with a large hydrocele: epidermoid cyst of the scrotum [Parwani] e135 (Oc)

Seaweed

Polarizable placental particles: a case study and brief review of the literature [Jarzembowski] 675 (Je)

Sebaceous Glands

Sebaceous differentiation in salivary glands [Mariappan] 245 (Fe)

SEER

Differential trends in the intestinal and diffuse types of gastric carcinoma in the United States, 1973-2000: increase in the signet ring cell type [Henson] 765 (Jy)

Seizures

Pathologic quiz case: a newborn with seizures: cortical dysplasia (malformation of cortical development) [Spencer] e91 (Jy)

Sensitivity and Specificity

Can human papillomavirus DNA testing substitute for cytology in the detection of high-grade cervical lesions? [Lee] 298 (Mr)

Comparison of human papillomavirus DNA prevalence in atypical squamous cells of undetermined significance subcategories as defined by the original Bethesda 1991 and the new Bethesda 2001 Systems [Pirog] 527 (My)

Detection of adenocarcinoma in situ of the cervix in Pap-nicolaou tests: comparison of diagnostic accuracy with other high-grade lesions [Renshaw] 153 (Fe)

Determination of plasma glycoprotein 2 levels in patients with pancreatic disease [Hao] 668 (Je)

How sensitive is a prostate-specific antigen measurement? how sensitive does it need to be? [Bock] 341 (Mr)

Quality indices in a cervicovaginal cytology service: before and after laboratory accreditation [Tan] 303 (Mr)

Steroid profiles using liquid chromatography-tandem mass spectrometry with atmospheric pressure photoionization source [Cuo] 469 (Ap)

Sentinel Lymph Node Biopsy

Synchronous sentinel lymph node metastasis of lobular and ductal carcinoma [Mohan] 365 (Mr)

Sepsis

Bacterial contamination of platelet units: a case report and literature survey with review of upcoming American Association of Blood Banks requirements [Burns] 279 (Mr)

College of American Pathologists Laboratory Accreditation checklist item TRM.44955: phase I requirement on bacterial detection in platelets [Shulman] 958 (Se)

Febrile nonhemolytic transfusion reactions: management by premedication and cost implications in adult patients [Ezidiegwu] 991 (Se)

Pathologic quiz case: an 18-year-old man presenting with sepsis following a recent pharyngeal infection: Lemierre syndrome [Plymyer] 813 (Jy)

Serpulina pilosicoli

Intestinal spirochetosis [Nodit] 823 (Jy)

Sertoli Cell Tumor

Pathologic quiz case: incidental bilateral testicular nodules in an African American man: large cell calcifying Sertoli cell tumor [Aydin] 587 (My)

Pathologic quiz case: testicular pain and scrotal swelling in a 25-year-old man: large cell calcifying Sertoli cell tumor of the testis [Evans] e137 (Oc)

Sertoli-Leydig Cell Tumor

Pathologic quiz case: a 22-year-old woman with a large right adnexal mass: poorly differentiated Sertoli-Ley-

dig cell tumor of the right ovary with retiform differentiation and heterologous elements (mucinous components) [Ching] e93 (Jy)

Severe Acute Respiratory Syndrome

Analysis of deaths during the severe acute respiratory syndrome (SARS) epidemic in Singapore: challenges in determining a SARS diagnosis [Chong] 195 (Fe)

The -omics era and its impact [Kiechle] 1337 (De)

Severe acute respiratory syndrome: overview with an emphasis on the Toronto experience [Mazzulli] 1346 (De)

Severe Combined Immunodeficiency

Current applications of flow cytometry in the diagnosis of primary immunodeficiency diseases [Illloh] 23 (Ja)

Sex Cord-Stromal Tumor

Pathologic quiz case: incidental bilateral testicular nodules in an African American man: large cell calcifying Sertoli cell tumor [Aydin] 587 (My)

Pathologic quiz case: incidental ovarian lesions in a 48-year-old woman with Peutz-Jeghers syndrome: ovarian sex cord tumor with annular tubules [Fadare] 353 (Mr)

Pathologic quiz case: patient with testicular pain: benign Leydig cell tumor [Adeagbo] 105 (Ja)

Sexually Transmitted Diseases, Viral

Delivering human papillomavirus testing to the public (letter) [Dennstedt] (reply) [Davey] 10 (Ja)

Shock, Septic

Pathologic quiz case: a 13-year-old boy with a 2-day history of fever, vomiting, and mental status changes: *Chromobacterium violaceum* bacteremia [Grier] e131 (Oc)

Shortness of Breath see Dyspnea

Shoulder

Pathologic quiz case: soft tissue calcifications of the shoulder in a 31-year-old woman: synovial chondromatosis [Lorusso] 1455 (De)

SIADH see Inappropriate ADH Syndrome

Sideroblasts, Ringed

Pathologic quiz case: a 68-year-old man with thrombocytosis and ringed sideroblasts: essential thrombocythemia with ringed sideroblasts [Jani] 815 (Jy)

Silver Staining

Early nodular hyperplasia of the liver occurring with inflammatory bowel diseases in association with thio-guanine therapy [Shastri] 49 (Ja)

Singapore

Analysis of deaths during the severe acute respiratory syndrome (SARS) epidemic in Singapore: challenges in determining a SARS diagnosis [Chong] 195 (Fe)

Clear cell papulosis of the skin: a case report from Singapore [Kumarasinghe] e149 (No)

Sirolimus

Immunosuppressants testing in transplantation (letter) [Papadea] 1328 (De)

Pathologic quiz case: a 54-year-old liver transplant recipient with diffuse thickening of the sigmoid colon: malakoplakia of the colon associated with liver transplant [Weinrach] e133 (Oc)

Skin Diseases

Clear cell papulosis of the skin: a case report from Singapore [Kumarasinghe] e149 (No)

Epidermoid metaplasia of the cervix [Ionescu] 1052 (Se)

Pathologic quiz case: an indurated plaque on the ankle of a 74-year-old woman: interstitial granulomatous drug reaction [Siami] e129 (Oc)

Pathologic quiz case: multiple cutaneous lesions in a 27-year-old woman: cutaneous *Histoplasma capsulatum* [Stephany] e15 (Ja)

Skin Neoplasms

Advancing Practice, Instruction, and Innovation Through Informatics (APIII 2003): scientific session and e-poster abstracts, 1089 (Oc)

Angioimmunoblastic T-cell lymphoma with cutaneous involvement: a case report with subtle histologic changes and clonal T-cell proliferation [Huang] e122 (Oc)

Detection of clonality with κ and λ immunohistochemical analysis in cutaneous plasmacytomas [Bayer-Garner] 645 (Je)

Kaposiform hemangioendothelioma associated with non-immune fetal hydrops [Martinez] 678 (Je)

Pathologic quiz case: cystic tumor of the left eyebrow in a 42-year-old woman: benign cutaneous adnexal tumor with combined folliculosebaceous and eccrine differentiation [Iwenofu] 1181 (Oc)

Pathologic quiz case: a 69-year-old man with a brown-black facial papule: melanocytic matricoma [Horenstein] e163 (No)

Pathologic quiz case: a 63-year-old woman with a pigmented perineal lesion: extramammary Paget disease [Gumurdula] e23 (Ja)

Posttransplant primary cutaneous Ki-1 (CD30)⁺/CD56⁺ anaplastic large cell lymphoma [Kim] e96 (Au)

Scalp paraffinoma underlying squamous cell carcinoma [Ko] 1171 (Oc)

Skin Pigmentation

Pathologic quiz case: a 63-year-old woman with a pigmented perineal lesion: extramammary Paget disease [Gumurdulu] e23 (Ja)

Skin Tests

Diagnosing allergic diseases in children: practical recommendations for consulting pathologists [Homburger] 1028 (Se)

Skull

Pathologic quiz case: a 27-week female fetus with massive macrocephaly and generalized anasarca: congenital immature intracranial teratoma with skull rupture and high output cardiac failure [Bhattacharya] 102 (Ja)

Sleep Stages

Pathologic quiz case: a 10-year-old boy with weakness, lethargy, and edema: arrhythmogenic right ventricular cardiomyopathy, cardiomyopathic pattern [White] 700 (Je)

Smad3 Protein

Evidence for involvement of transforming growth factor β 1 signaling pathway in activation of JC virus in human immunodeficiency virus 1-associated progressive multifocal leukoencephalopathy [Enam] 282 (Mr)

Smad4 Protein

Evidence for involvement of transforming growth factor β 1 signaling pathway in activation of JC virus in human immunodeficiency virus 1-associated progressive multifocal leukoencephalopathy [Enam] 282 (Mr)

Small Bowel Neoplasms see Intestinal Neoplasms

Smallpox Vaccine

Popular sporiocidal dermatitis of smallpox vaccination: report of 2 cases with review of the literature [Gaertner] 1173 (Oc)

Smoking

Abstracts from the College of American Pathologists 2003 Annual Meeting (CAP '03), 139 (Fe)

Bronchial epithelial-myoepithelial carcinoma [Ru] 92 (Ja)

Smooth Muscle Tumor

Intrastretal angioleiomyoma [Lavis] 1165 (Oc)

Pathologic quiz case: a symptomatic renal tumor: juxtaglomerular cell tumor [Kuten] e112 (Se)

SNOMED see Systematized Nomenclature of Medicine

Socioeconomic Factors

Abstracts from the College of American Pathologists 2003 Annual Meeting (CAP '03), 139 (Fe)

The -omics era and its impact [Kiechle] 1337 (De)

Soft Tissue

Mycofactor involvement in Erdheim-Chester disease [Loeffler] 682 (Je)

Software

Advancing Practice, Instruction, and Innovation Through Informatics (APIII 2003): scientific session and e-poster abstracts, 1089 (Oc)

Pathology informatics questions and answers from the University of Pittsburgh pathology residency informatics rotation [Harrison] 71 (Ja)

Solitary Fibrous Tumor

Solitary fibrous tumor of the auditory canal [Rezk] e169 (De)

Sommers, Herbert M., 732 (Jy)

Sore Throat see Pharyngitis

SPECIAL NEWS ITEM

Reviewers for ARCHIVES Manuscripts, 2003, 493 (Ap)

Specificity see Sensitivity and Specificity

Specimen Handling

Analysis of on-line clinical laboratory manuals and practical recommendations [Beckwith] 476 (Ap)

Clostridium botulinum and the clinical laboratorian: a detailed review of botulism, including biological warfare ramifications of botulinum toxin [Caya] 653 (Je)

Continuous monitoring of stat and routine outlier turnaround times: two College of American Pathologists Q-Tracks monitors in 291 hospitals [Novis] 621 (Je)

Pathologic quiz case: repeated positive ethylene glycol levels by gas chromatography: central venous line contamination of blood samples by propylene glycol from intravenous lorazepam injections [Hilliard] e79 (Je)

Specimen Storage see Preservation, Biological

Spectrometry

Immunosuppressants testing in transplantation (letter) [Papadea] 1328 (De)

Spectrum Analysis

Reflectance spectroscopy of clotting blood: a description of the time-dependent behavior [Greco] 173 (Fe)

Spectrum Analysis, Mass

Steroid profiles using liquid chromatography-tandem mass spectrometry with atmospheric pressure photo-ionization source [Guo] 469 (Ap)

Spermatic Cord

Xanthogranulomatous funiculitis and orchiepididymitis: report of 2 cases with immunohistochemical study and literature review [Nistal] 911 (Au)

Spinal Cord

Pathologic quiz case: multiple congenital birth defects in

a full-term infant: urorectal septum malformation sequence [He] e73 (Ap)

Spinal cord neuropathology in human West Nile virus infection [Fraktin] 533 (My)

Spinal Cord Neoplasms

Solitary fibrous tumor of the spinal nerve rootlet: report of a case mimicking schwannoma [Piana] 335 (Mr)

Spinal Neoplasms

An isolated vertebral metastasis of urachal adenocarcinoma [Taylor] 1043 (Se)

Importance of immunohistochemical staining in metastatic anaplastic oligodendroglioma [Choon] 489 (Ap)

Spinal Nerve Roots

Solitary fibrous tumor of the spinal nerve rootlet: report of a case mimicking schwannoma [Piana] 335 (Mr)

Spindle Cells

Solitary fibrous tumor of the auditory canal [Rezk] e169 (De)

Spirochaetales Infections

Intestinal spirochetosis [Guzman] 1188 (Oc)

Intestinal spirochetosis [Nodit] 823 (Jy)

Spirochetosis see Spirochaetales Infections

Spleen

Pathologic quiz case: a 13-year-old boy with a 2-day history of fever, vomiting, and mental status changes: *Chromobacterium violaceum* bacteremia [Grier] e131 (Oc)

Splenic Neoplasms

Pathologic quiz case: multiple splenic lesions in a bacteremic patient: littoral cell angiosarcoma of the spleen [Fadare] 1183 (Oc)

Splenic Pregnancy see Pregnancy, Ectopic

Splenic Rupture

Splenic rupture: a rare presentation of pancreatic carcinoma [Smith] 1146 (Oc)

Splenomegaly

Challenge in diagnosis of CD56⁺ lymphoproliferative disorders: two cases of CD56⁺ CD33⁺ lymphoma/leukemia [Yang] e100 (Au)

Pathologic quiz case: hepatosplenomegaly in an infant with hypotonia and coarse facial features: gangliosidosis type 1 [Bu-Ghanim] 1297 (No)

Spores

Clostridium botulinum and the clinical laboratorian: a detailed review of botulism, including biological warfare ramifications of botulinum toxin [Caya] 653 (Je)

Squamous Intraepithelial Lesion

Bethesda 2001 implementation and reporting rates: 2003 practices of participants in the College of American Pathologists Interlaboratory Comparison Program in Cervicovaginal Cytology [Davey] 1224 (No)

Combining human papillomavirus testing or cervicography with cytology to detect cervical neoplasia [Howard] 1257 (No)

Cytologic features of high-grade squamous intraepithelial lesion in ThinPrep Papanicolaou test slides: comparison of cases that performed poorly with those that performed well in the College of American Pathologists Interlaboratory Comparison Program in Cervicovaginal Cytology [Renshaw] 746 (Jy)

Staffing see Laboratory Personnel

Staining and Labeling

Advancing Practice, Instruction, and Innovation Through Informatics (APIII 2003): scientific session and e-poster abstracts, 1089 (Oc)

Standards

Analysis of on-line clinical laboratory manuals and practical recommendations [Beckwith] 476 (Ap)

Bacterial contamination of platelet units: a case report and literature survey with review of upcoming American Association of Blood Banks requirements [Burns] 279 (Mr)

Biochemical markers of myocardial injury test turnaround time: a College of American Pathologists Q-Probes study of 7020 troponin and 4368 creatine kinase-MB determinations in 159 institutions [Novis] 158 (Fe)

Calibration verification performance relates to proficiency testing performance [Kroll] 544 (My)

Hemoglobin C and hemoglobin O-Arab variants can be diagnosed using the Bio-Rad Variant II high-performance liquid chromatography system without further confirmatory tests [Joutovsky] 435 (Ap)

In-house calibration of the international sensitivity index or calibration curve for determination of the international normalized ratio [Brien] 308 (Mr)

Quality indices in a cervicovaginal cytology service: before and after laboratory accreditation [Tan] 303 (Mr)

Staphylococcal Infections

Bacterial contamination of platelet units: a case report and literature survey with review of upcoming American Association of Blood Banks requirements [Burns] 279 (Mr)

Staphylococcus aureus

Pathologic quiz case: multiple splenic lesions in a bacter-

emic patient: littoral cell angiosarcoma of the spleen [Fadare] 1183 (Oc)

Staphylococcus epidermidis

Reagent strips may not detect *Staphylococcus epidermidis* contamination of platelet concentrates [Tarrand] 852 (Au)

STATE OF THE ART IN CLINICAL AND ANATOMIC PATHOLOGY

Diagnosing allergic diseases in children: practical recommendations for consulting pathologists [Homburger] 1028 (Se)

How sensitive is a prostate-specific antigen measurement? how sensitive does it need to be? [Bock] 341 (Mr)

Laboratory and clinical aspects of B-type natriuretic peptides [Elin] 697 (Je)

Modern data security [Klein] 338 (Mr)

Spurious hypocalcemia after Omniscan- or OptiMARK-enhanced magnetic resonance imaging: an algorithm for minimizing a false-positive laboratory value [Emerson] 1151 (Oc)

Steroid profiles using liquid chromatography-tandem mass spectrometry with atmospheric pressure photo-ionization source [Guo] 469 (Ap)

STATE OF THE ART IN CLINICAL AND ANATOMIC PATHOLOGY (INFORMATICS)

Analysis of on-line clinical laboratory manuals and practical recommendations [Beckwith] 476 (Ap)

Pathology abbreviated: a long review of short terms [Berman] 347 (Mr)

Zero-Check: a zero-knowledge protocol for reconciling patient identities across institutions [Berman] 344 (Mr)

Statistics, Nonparametric

Advancing Practice, Instruction, and Innovation Through Informatics (APIII 2003): scientific session and e-poster abstracts, 1089 (Oc)

Status Epilepticus

Secondary leptomeningeal sarcomatosis [Grier] 1303 (No)

Stellate Cells

The immunology of fibrogenesis in alcoholic liver disease [Chedid] 1230 (No)

On the origin of hepatic fibrosis [Guzman] 1212 (No)

Steroids

Steroid profiles using liquid chromatography-tandem mass spectrometry with atmospheric pressure photo-ionization source [Guo] 469 (Ap)

Still's Disease, Adult Onset

Sinusoidal dilatation and congestion in liver biopsy: is it always due to venous outflow impairment? [Kakar] 901 (Au)

Stomach Diseases

Gastric lipid islands [Chandan] 937 (Au)

Helicobacter heilmannii infection in a child [Wooten] 1461 (De)

Isolated gastric malakoplakia: a case report and review of the literature [Gustavo] e153 (No)

Pancreatic heterotopia in the gastric antrum [Chandan] 111 (Ja)

Stomach Neoplasms

Advanced gastric carcinoma with a complete intestinal metaplasia phenotype associated with early intestinal-type carcinoma [Rivera-Hueto] 218 (Fe)

Differential trends in the intestinal and diffuse types of gastric carcinoma in the United States, 1973-2000: increase in the signet ring cell type [Henson] 765 (Jy)

Malignant gastrointestinal leiomyosarcoma and gastrointestinal stromal tumor with prominent osteoclast-like giant cells [Insabato] 440 (Ap)

One patient, two lymphomas: simultaneous primary gastric marginal zone lymphoma and primary duodenal follicular lymphoma [Tang] 1035 (Se)

Stomas

Primary adenocarcinoma of cutaneous vesicostomy 40 years later: a rare case [Yohannes] e58 (Ap)

Streptococcus

Phlegmonous gastritis associated with Kaposi sarcoma: a case report and review of the literature [Yu] 801 (Jy)

Streptococcus pneumoniae

Abstracts from the College of American Pathologists 2003 Annual Meeting (CAP '03), 139 (Fe)

Streptococcus pyogenes

Abstracts from the College of American Pathologists 2003 Annual Meeting (CAP '03), 139 (Fe)

Stridor see Respiratory Sounds

Strongyloides stercoralis

Displaced bacterial colonies indicating *Strongyloides* larval migration on agar plates [Mariappan] 711 (Je)

Subcutaneous Tissue

Pathologic quiz case: supraclavicular subcutaneous nodule in a 24-year-old woman: myxoid plexiform fibrohistiocytic tumor without multinucleated giant cells [Chen] 931 (Au)

Substance-Related Disorders

Solitary fibrous tumor of nasal cavity in patient with long-standing history of cocaine inhalation [Chauhan] e1 (Ja)

Sulfadiazine

Balamuthia mandrillaris meningoencephalitis in an immunocompetent patient: an unusual clinical course and a favorable outcome [Jung] 466 (Ap)

Sunderman, E William Sr, 848 (Au)

Surgical Sponges

Textiloma (gossypiboma) mimicking recurrent intracranial tumor [Ribalta] 749 (Jy)

Surveillance, Epidemiology, and End Results Program see SEER

Survival Analysis

Advancing Practice, Instruction, and Innovation Through Informatics (APIII 2003): scientific session and e-poster abstracts, 1089 (Oc)

A clinicopathologic evaluation of follicular lymphoma grade 3A versus grade 3B reveals no survival differences [Hsi] 863 (Au)

Role of *PTEN* in gastrointestinal stromal tumor progression [Ricci] 421 (Ap)

Survivin

Survivin and Bcl-2 expression in prostatic adenocarcinomas [Kaur] 39 (Ja)

Swiss Kriss see Plants, Medicinal

Synaptophysin

Primary small cell neuroendocrine carcinoma of the vagina: a clinicopathologic study [Bing] 857 (Au)

Synchronous Neoplasms see Neoplasms, Multiple Primary

Syncytial Giant Cells see Giant Cells

Syndecan-1 see Proteoglycans

Syndrome of Inappropriate Antidiuretic Hormone Secretion see Inappropriate ADH Syndrome

Synovial Fluid

Use of polymerase chain reaction to diagnose tuberculous arthritis from joint tissues and synovial fluid [Tivot] 205 (Fe)

Synovial Membrane

Pathologic quiz case: soft tissue calcifications of the shoulder in a 31-year-old woman: synovial chondromatosis [Lorusso] 1455 (De)

Systematized Nomenclature of Medicine

Advancing Practice, Instruction, and Innovation Through Informatics (APIII 2003): scientific session and e-poster abstracts, 1089 (Oc)

Pathology informatics questions and answers from the University of Pittsburgh pathology residency informatics rotation [Harrison] 71 (Ja)

Systems Integration

Advancing Practice, Instruction, and Innovation Through Informatics (APIII 2003): scientific session and e-poster abstracts, 1089 (Oc)

Zero-Check: a zero-knowledge protocol for reconciling patient identities across institutions [Berman] 344 (Mr)

Zero-Check: a zero-knowledge protocol for reconciling patient identities across institutions [letter] [Apfelroth] (reply) [Berman] 954 (Se)

T

Tacrolimus

Immunosuppressants testing in transplantation [letter] [Papadea] 1328 (De)

Tailgut see Embryonic Structures

Tandem Mass Spectrometry see Spectrometry

Tandem-Repeat Sequences

MUC1 gene-derived glycoprotein assays for monitoring breast cancer (CA 15-3, CA 27.29, BR): are they measuring the same antigen? [Klee] 1131 (Oc)

Tat see Gene Products, tat

Taxonomy see Classification

TEACHING PATHOLOGY AND LABORATORY MEDICINE

Pathology informatics questions and answers from the University of Pittsburgh pathology residency informatics rotation [Harrison] 71 (Ja)

Teleneuropathology see Remote Consultation

Telepathology see Remote Consultation

Telithromycin

Abstracts from the College of American Pathologists 2003 Annual Meeting (CAP '03), 139 (Fe)

Teratoma

Multicystic thymic cyst associated with mature mediastinal teratoma: a report of 2 cases [Rakheja] 227 (Fe)

Pathologic quiz case: an abdominopelvic mass in a 13-year-old adolescent girl: predominantly mature cystic teratoma with minimal immature neuroglia and gliomatosis peritonei [Stephany] 705 (Je)

Pathologic quiz case: a 27-week female fetus with massive macrocephaly and generalized anasarca: congenital immature intracranial teratoma with skull rupture and high output cardiac failure [Bhattacharya] 102 (Ja)

Terminology

Advancing Practice, Instruction, and Innovation Through Informatics (APIII 2003): scientific session and e-poster abstracts, 1089 (Oc)

Pathologic quiz case: a 56-year-old man with bilateral renal masses: bilateral renal oncocytosis [Dimashkieh] e177 (De)

Terrorism

Clostridium botulinum and the clinical laboratorian: a detailed review of botulism, including biological warfare ramifications of botulinum toxin [Caya] 653 (Je)

Test Result Interpretation see Referral and Consultation

Test Volume see Workload

TEST YOUR MEMORY

Changes to Test Your Memory continuing medical education program and instructions for authors [McClatchey] 13 (Ja)

A review of articles from last month's Archives of Pathology and Laboratory Medicine, 14 (Ja), 136 (Fe), 368 (Mr), 394 (Ap), 510 (My), 618 (Je), 736 (Jy), 854 (Au), 964 (Se), 1086 (Oc), 1216 (No), 1334 (De)

Testicular Diseases

Pathologic quiz case: paratesticular mass in a young man: inflammatory myofibroblastic tumor of the paratestis [Kapur] 589 (My)

Testicular Neoplasms

Intratesticular angioleiomyoma [Lavis] 1165 (Oc)

Pathologic quiz case: incidental bilateral testicular nodules in an African American man: large cell calcifying Sertoli cell tumor [Aydin] 587 (My)

Pathologic quiz case: patient with testicular pain: benign Leydig cell tumor [Adeagbo] 105 (Ja)

Pathologic quiz case: testicular pain and scrotal swelling in a 25-year-old man: large cell calcifying Sertoli cell tumor of the testis [Evans] e137 (Oc)

Prostate gland-like epithelium in the epididymis: a case report and review of the literature [Lee] e60 (Ap)

Testicular extramedullary myeloid cell tumor: report of a case with unique clinicopathologic features and a brief review of the literature [Rawal] 332 (Mr)

Testis

Xanthogranulomatous funiculitis and orchepididymitis: report of 2 cases with immunohistochemical study and literature review [Nistal] 911 (Au)

Testosterone

Steroid profiles using liquid chromatography-tandem mass spectrometry with atmospheric pressure photoionization source [Guo] 469 (Ap)

Texas

Balamuthia mandrillaris meningoencephalitis in an immunocompetent patient: an unusual clinical course and a favorable outcome [Jung] 466 (Ap)

Textiloma see Surgical Sponges

Thailand

Clinicopathologic study of hepatic *Penicillium marneffei* in northern Thailand [Yousukh] 191 (Fe)

Theophylline

Adding pharmacogenetics to the clinical laboratory: narrow therapeutic index medications as a place to start [Bukaveckas] 1330 (De)

Therapeutic Drug Monitoring see Drug Monitoring

Thigh

Pathologic quiz case: a large recurrent thigh mass in a 79-year-old woman: inflammatory liposarcoma occurring as a component of a recurrent, well-differentiated, lipoma-like liposarcoma [Lovell] e21 (Ja)

Pathologic quiz case: a 76-year-old debilitated woman with a right thigh mass: ischemic fasciitis (atypical decubital fibroplasia) [Washing] e139 (Oc)

ThinPrep Pap Test see Cytodiagnosis; Vaginal Smears

Thioguanine

Early nodular hyperplasia of the liver occurring with inflammatory bowel diseases in association with thioguanine therapy [Shastri] 49 (Ja)

Third Ventricle

Chordoid glioma: clinicopathologic profile and differential diagnosis of an uncommon tumor [Buccoliero] e141 (No)

Thrombocytopenia, Hemorrhagic

Pathologic quiz case: a 68-year-old man with thrombocytosis and ringed sideroblasts: essential thrombocythemia with ringed sideroblasts [Jani] 815 (Jy)

Thrombocytosis

Pathologic quiz case: a 68-year-old man with thrombocytosis and ringed sideroblasts: essential thrombocythemia with ringed sideroblasts [Jani] 815 (Jy)

Pathologic quiz case: a 29-year-old woman with thrombocytosis: chronic myelogenous leukemia [Baila] e63 (Ap)

Thromboembolism

Correlation of plasma coagulation parameters with thromboprophylaxis, patient characteristics, and outcome in the MEDENOX study [Desjardins] 519 (My)

Myocardial and cerebral infarction due to nonbacterial

thrombotic endocarditis as an initial presentation of pancreatic adenocarcinoma [Chen] 1307 (No)

Thrombophilia

Myocardial and cerebral infarction due to nonbacterial thrombotic endocarditis as an initial presentation of pancreatic adenocarcinoma [Chen] 1307 (No)

Thrombophlebitis

Pathologic quiz case: an 18-year-old man presenting with sepsis following a recent pharyngeal infection: Lemierre syndrome [Plymyer] 813 (Jy)

Thrombosis

Hyperhomocysteinemia measured by immunoassay: a valid measure of coronary artery atherosclerosis [Stauffenberg] 1263 (No)

Renal pathologic spectrum in an autopsy series of patients with plasma cell dyscrasia [Herrera] 875 (Au)

Reflectance spectroscopy of clotting blood: a description of the time-dependent behavior [Greco] 173 (Fe)

Sinusoidal dilatation and congestion in liver biopsy: is it always due to venous outflow impairment? [Kakar] 901 (Au)

Thymic Cyst see Mediastinal Cyst

Thymic Neoplasms

Pathologic quiz case: giant mediastinal mass in a 69-year-old man: thymolipoma [Pai] e159 (No)

Thymolipoma see Thymic Neoplasms

Thymoma

Giant cell tumor of rib masquerading as thymoma: a diagnostic pitfall in needle core biopsy of the mediastinum [Volmar] 452 (Ap)

Thyroid Gland

Pathologic quiz case: tumor in pigmented thyroid gland in a young man: papillary thyroid carcinoma in a minocyline-induced, diffusely pigmented thyroid gland [Raghavan] 355 (Mr)

Thyroid Neoplasms

Amiodarone-induced thyrotoxicosis and thyroid cancer: clinical, immunohistochemical, and molecular genetic studies of a case and review of the literature [Saad] 807 (Jy)

Macrofollicular variant of papillary carcinoma of the thyroid: a histologic, cytologic, and immunohistochemical study of 3 cases and review of the literature [Lugli] 54 (Ja)

Pathologic quiz case: lytic femoral lesion and renal cysts in a 66-year-old man: occult follicular carcinoma of the thyroid [Rund] 359 (Mr)

Pathologic quiz case: tumor in pigmented thyroid gland in a young man: papillary thyroid carcinoma in a minocyline-induced, diffusely pigmented thyroid gland [Raghavan] 355 (Mr)

Spindle cell transformation of papillary carcinoma: an aggressive entity distinct from anaplastic thyroid carcinoma [Brandwein-Gensler] 87 (Ja)

Thyroid Transcription Factor 1 see Transcription Factors

Thyroiditis

Massive thyroid tumoral embolism from a breast carcinoma presenting as acute thyroiditis [Jimenez-Heffernan] 804 (Jy)

Thyrotoxicosis

Amiodarone-induced thyrotoxicosis and thyroid cancer: clinical, immunohistochemical, and molecular genetic studies of a case and review of the literature [Saad] 807 (Jy)

Tibia

Pathologic quiz case: myxoid tibial lesion in a 31-year-old man: low-grade myxofibrosarcoma [Kapur] e65 (Ap)

Time Factors

Biochemical markers of myocardial injury test turnaround time: a College of American Pathologists Q-Probes study of 7020 troponin and 4368 creatine kinase-MB determinations in 159 institutions [Novis] 158 (Fe)

Continuous monitoring of stat and routine outlier turnaround times: two College of American Pathologists Q-Tracks monitors in 291 hospitals [Novis] 621 (Je)

Determination of plasma glycoprotein 2 levels in patients with pancreatic disease [Hao] 668 (Je)

Heparin monitoring and patient safety: a College of American Pathologists Q-Probes study of 3431 patients at 140 institutions [Valenstein] 397 (Ap)

Tissue Banks

Advancing Practice, Instruction, and Innovation Through Informatics (APIII 2003): scientific session and e-poster abstracts, 1089 (Oc)

T-Lymphocytes

In hematopathology, love is everywhere [Al-Quran] 1309 (No)

Tobacco, Smokeless

Pathologic quiz case: a 30-year-old man with a white plaque in the oral mucosa: smokeless tobacco keratosis [Sheth] e17 (Ja)

Tomography, X-Ray Computed

- Jejunal gastrointestinal stromal tumor: a cause of obscure gastrointestinal bleeding [Sass] 214 (Fe)
- Tongue Neoplasms**
Pathologic quiz case: a 29-year-old man with a tongue lesion: granular cell tumor [Wroblewski] 1059 (Se)
- Topoisomerase I see DNA Topoisomerases, Type I**
Topoisomerase II see DNA Topoisomerases, Type II
- Toronto**
Severe acute respiratory syndrome: overview with an emphasis on the Toronto experience [Mazzulli] 1346 (De)
- Toxins**
Abstracts from the College of American Pathologists 2003 Annual Meeting (CAP '03), 139 (Fe)
Clostridium botulinum and the clinical laboratorian: a detailed review of botulinum, including biological warfare ramifications of botulinum toxin [Caya] 653 (Je)
- Tracheal Stenosis**
Tracheal stenosis due to cytomegalovirus [Ashton-Sager] 1050 (Se)
- Transcription Factors**
Cytosine arabinoside substitution decreases transcription factor-DNA binding element complex formation [Zhang] 1364 (De)
Immunohistochemical expression of matrix metalloproteinases 1, 2, 9, and 14 in dermatofibrosarcoma protuberans and common fibrous histiocytoma (dermatofibroma) [Weinrach] 1136 (Oc)
Primary small cell neuroendocrine carcinoma of the vagina: a clinicopathologic study [Bing] 857 (Au)
The -omics era and its impact [Kiechle] 1337 (De)
- Transforming Growth Factor α**
Transforming growth factor α and epidermal growth factor receptor in reactive and malignant mesothelial proliferations [Cai] 68 (Ja)
- Transforming Growth Factor β**
Evidence for involvement of transforming growth factor β 1 signaling pathway in activation of JC virus in human immunodeficiency virus 1-associated progressive multifocal leukoencephalopathy [Enam] 282 (Mr)
- Transfusion Reaction see Blood Group Incompatibility Translocation (Genetics)**
Burkitt leukemia [Fluang] 1459 (De)
Follicular lymphoma with a Burkitt translocation—predictor of an aggressive clinical course: a case report and review of the literature [Voorhees] 210 (Fe)
Molecular diagnostics on lymphoid malignancies [Chan] 1379 (De)
Pathologic quiz case: a 29-year-old woman with thrombocytosis: chronic myelogenous leukemia [Baila] e63 (Ap)
Transmission Electron Microscopy see Microscopy, Electron
- Transplantation**
Flow cytometric evaluation of posttransplant B-cell lymphoproliferative disorders [Kaleem] 181 (Fe)
Immunosuppressants testing in transplantation (letter) [Papadac] 1328 (De)
Pneumocystis carinii infection: update and review [Wazir] 1023 (Se)
Polyomavirus in a lung transplant patient [Janji] 1463 (De)
Posttransplant primary cutaneous Ki-1 (CD30)/CD56-anaplastic large cell lymphoma [Kim] e96 (Au)
- Transplantation, Homologous**
Abstracts from the College of American Pathologists 2003 Annual Meeting (CAP '03), 139 (Fe)
Total fibrous obliteration of main portal vein and portal foam cell venopathy in chronic hepatic allograft rejection [Jain] 64 (Ja)
- Trastuzumab**
Epidermal growth factor receptor status in breast cancer metastases to the central nervous system: comparison with HER-2/*neu* status [Grupeka] 974 (Se)
- Treatment Outcome**
Correlation of plasma coagulation parameters with thromboprophylaxis, patient characteristics, and outcome in the MEDENOX study [Desjardins] 519 (My)
- Trichomonas Vaginitis**
Cytologic features of squamous cell carcinoma in ThinPrep slides: evaluation of cases that performed poorly versus those that performed well in the College of American Pathologists Interlaboratory Comparison Program in Cervicovaginal Cytology [Renshaw] 403 (Ap)
- Triglycerides**
Lipoprotein lipase gene polymorphism and lipid profile in coronary artery disease [Duman] 869 (Au)
- Trimethoprim**
Pneumocystis carinii infection: update and review [Wazir] 1023 (Se)
- Trimethoprim-Sulfamethoxazole Combination**
Pneumocystis carinii infection: update and review [Wazir] 1023 (Se)
- Trisomy**
Aberrant nuclear projections of neutrophils in trisomy 13 [Salama] 243 (Fe)
Trophoblastic Tumor, Placental Site
Pathologic quiz case: a 26-year-old woman with profuse vaginal bleeding: metastatic placental site trophoblastic tumor [Karabakhtsian] e50 (Mr)
- Troponin**
Biochemical markers of myocardial injury test turnaround time: a College of American Pathologists Q-Probes study of 7020 troponin and 4368 creatine kinase-MB determinations in 159 institutions [Novis] 158 (Fe)
- Troponin I**
Diagnostic and prognostic value of cardiac troponin I assays in patients admitted with symptoms suggestive of acute coronary syndrome [Apple] 430 (Ap)
- Tuberculosis, Osteoarticular**
Use of polymerase chain reaction to diagnose tuberculous arthritis from joint tissues and synovial fluid [Titov] 205 (Fe)
Use of polymerase chain reaction to diagnose tubercular arthritis from joint tissues and synovial fluid (letter) [Arya] (reply) [Titov] 1326 (De)
- Tuberous Sclerosis**
Pathologic quiz case: a 44-year-old woman with an incidental asymptomatic renal mass: atypical epithelioid angiomyolipoma [Aljerian] 1176 (Oc)
- Tubulin**
Giant cell glioblastoma and pleomorphic xanthoastrocytoma (letter) [Katsetos] (reply) [Kleinschmidt-DeMasters] 391 (Ap)
- Tubulointerstitial Nephritis see Nephritis, Tubulointerstitial**
- Tubulopathy see Kidney Diseases**
- Tumor Embolization see Neoplasm, Circulating Cells**
- Tumor Markers, Biological**
Advancing Practice, Instruction, and Innovation Through Informatics (APIII 2003): scientific session and e-poster abstracts, 1089 (Oc)
Applications of flow cytometry and immunohistochemistry to diagnostic hematopathology [Dunphy] 1004 (Se)
Cellular proliferative fraction measured with topoisomerase II α predicts malignancy in endocrine pancreatic tumors [Diaz-Rubio] 426 (Ap)
Clear cell ductal adenocarcinoma of the pancreas: a case report and review of the literature [Ray] 693 (Je)
Detection of tumor markers including carcinoembryonic antigen, APC, and cyclin D2 in fine-needle aspiration fluid of breast [Lee] 1251 (No)
Giant cell glioblastoma and pleomorphic xanthoastrocytoma (letter) [Katsetos] (reply) [Kleinschmidt-DeMasters] 391 (Ap)
Immunohistochemical analysis of lung carcinomas with pure or partial bronchioloalveolar differentiation [Santopoulos] 406 (Ap)
Importance of immunohistochemical staining in metastatic anaplastic oligodendroglioma [Choon] 489 (Ap)
Malignant gastrointestinal leiomyosarcoma and gastrointestinal stromal tumor with prominent osteoclast-like giant cells [Inabato] 440 (Ap)
Overexpression of human carcinoma-associated antigen in urothelial carcinoma of the bladder [Yao] 785 (Jy)
Pathologic quiz case: a 49-year-old man with left parotid mass: adenocarcinoma, not otherwise specified [Chandani] 487 (Ap)
Recurrent solitary fibrous tumor of the pleura with malignant transformation [Kanthan] 460 (Ap)
Transforming growth factor α and epidermal growth factor receptor in reactive and malignant mesothelial proliferations [Cai] 68 (Ja)
Urachal malignant fibrous histiocytoma: a case report and review of the literature [Wang] 456 (Ap)
- Turkey**
Lipoprotein lipase gene polymorphism and lipid profile in coronary artery disease [Duman] 869 (Au)
- Typhilitis see Enterocolitis, Neutropenic**
- U**
- Ulcer**
Pathologic quiz case: a 59-year-old man with a 2-week history of right iliac fossa pain: nonsteroidal anti-inflammatory drug-induced colonic ulcer [Lipper] e39 (Fe)
- Ultrastructure**
Malignant melanoma with a rhabdoid phenotype: histologic, immunohistochemical, and ultrastructural study of a case and review of the literature [Abbott] 686 (Je)
- Undescended Testes see Cryptorchidism**
- Unified Medical Language System**
Pathology abbreviated: a long review of short terms [Berman] 347 (Mr)
- Pathology informatics questions and answers from the University of Pittsburgh pathology residency informatics rotation [Harrison] 71 (Ja)
- Upper Extremity**
Soft tissue amyloidoma of the extremities: a case report and review of the literature [Bardin] 1270 (No)
- Urachus**
An isolated vertebral metastasis of urachal adenocarcinoma [Taylor] 1043 (Se)
Urachal malignant fibrous histiocytoma: a case report and review of the literature [Wang] 456 (Ap)
- Uterine Obstruction**
Pathologic quiz case: a 35-year-old man with hematuria: paraganglioma involving the prostate [Parwani] e104 (Au)
- Urinary Incontinence**
Pathologic quiz case: a 3-year-old girl with dysuria and urinary incontinence: primary embryonal rhabdomyosarcoma of the urinary bladder [Parwani] 357 (Mr)
- Urogenital Abnormalities**
Pathologic quiz case: multiple congenital birth defects in a full-term infant: urorectal septum malformation sequence [He] e73 (Ap)
Primary adenocarcinoma of cutaneous vesicostomy 40 years later: a rare case [Yohannes] e58 (Ap)
- Urology**
Practice patterns of clinicians following isolated diagnoses of atypical small acinar proliferation on prostate biopsy specimens [Fadare] 557 (My)
- Urothelial Carcinoma see Carcinoma, Transitional Cell**
- US Agency for Healthcare Research and Quality**
The challenge of using autopsy information for quality improvement (letter) [Horowitz] (reply) [Bove], 850 (Au)
- User-Computer Interface**
Advancing Practice, Instruction, and Innovation Through Informatics (APIII 2003): scientific session and e-poster abstracts, 1089 (Oc)
Virtual microscopy as a tool for proficiency testing in cytopathology (letter) [Grant] (reply) [Marchevsky] 1327 (De)
- Uterine Cervix see Cervix Uteri**
- Uterine Hemorrhage**
A hydathidiform mole in a postmenopausal woman: a case report and review of the literature [Garcia] 1039 (Se)
Pathologic quiz case: a newborn with seizures: cortical dysplasia (malformation of cortical development) [Spencer] e91 (Jy)
Pathologic quiz case: a 70-year-old woman with postmenopausal bleeding: endometrial intraepithelial carcinoma, clear cell type [Moid] e157 (No)
Pathologic quiz case: a 26-year-old woman with profuse vaginal bleeding: metastatic placental site trophoblastic tumor [Karabakhtsian] e50 (Mr)
Pathologic quiz case: a 22-year-old woman with a large right adnexal mass: poorly differentiated Sertoli-Leydig cell tumor of the right ovary with retiform differentiation and heterologous elements (mucinous components) [Ching] e93 (Jy)
Routine syndecan-1 immunohistochemistry AIDS in the diagnosis of chronic endometritis [Bayer-Garner] 1000 (Se)
- Uterine Neoplasms**
Nodular histiocytic hyperplasia of the endometrium [Fukunaga] 1032 (Se)
Pathologic quiz case: a 40-year-old woman with a large pelvic mass, ascites, massive right hydrothorax, and elevated CA 125: uterine symplectic leiomyoma associated with pseudo-Meigs syndrome and elevated CA 125 [Weinrach] 933 (Au)
Pathologic quiz case: a 40-year-old woman with an unusual uterine tumor: uterine angiolipoleiomyoma with focal atypical leiomyoma [Ren] e31 (Fe)
Pathologic quiz case: a 60-year-old woman with diffuse uterine enlargement: primary osteosarcoma of the uterus [Ribeiro-Silva] e172 (De)
Pathologic quiz case: a 26-year-old woman with profuse vaginal bleeding: metastatic placental site trophoblastic tumor [Karabakhtsian] e50 (Mr)
- V**
- Vaccines**
Papular spangiotic dermatitis of smallpox vaccination: report of 2 cases with review of the literature [Gaertner] 1173 (Oc)
Use of polymerase chain reaction to diagnose tubercular arthritis from joint tissues and synovial fluid (letter) [Arya] (reply) [Titov] 1326 (De)
- Vaginal Neoplasms**
Gastrointestinal stromal tumor presenting as a recurrent vaginal mass [Ceballos] 1442 (De)
Pathologic quiz case: a 26-year-old woman with profuse

vaginal bleeding; metastatic placental site trophoblastic tumor [Karabakhtian] e50 (Mr)

Primary small cell neuroendocrine carcinoma of the vagina: a clinicopathologic study [Bing] 857 (Au)

Vaginal Smears

Abstracts from the College of American Pathologists 2003 Annual Meeting (CAP '03), 139 (Fe)

Bethesda 2001 implementation and reporting rates: 2003 practices of participants in the College of American Pathologists Interlaboratory Comparison Program in Cervicovaginal Cytology [Davey] 1224 (No)

Can human papillomavirus DNA testing substitute for cytology in the detection of high-grade cervical lesions? [Lee] 298 (Mr)

Combining human papillomavirus testing or cervicography with cytology to detect cervical neoplasia [Howard] 1257 (No)

Comparison of human papillomavirus DNA prevalence in atypical squamous cells of undetermined significance subcategories as defined by the original Bethesda 1991 and the new Bethesda 2001 Systems [Pirog] 527 (My)

Comparison of performance of conventional and ThinPrep gynecologic preparations in the College of American Pathologists Gynecologic Cytology Program [Renshaw] 17 (Ja)

Cytologic features of high-grade squamous intraepithelial lesion in ThinPrep Papanicolaou test slides: comparison of cases that performed poorly with those that performed well in the College of American Pathologists Interlaboratory Comparison Program in Cervicovaginal Cytology [Renshaw] 746 (Jy)

Cytologic features of squamous cell carcinoma in ThinPrep slides: evaluation of cases that performed poorly versus those that performed well in the College of American Pathologists Interlaboratory Comparison Program in Cervicovaginal Cytology [Renshaw] 403 (Ap)

Detection of adenocarcinoma in situ of the cervix in Papanicolaou tests: comparison of diagnostic accuracy with other high-grade lesions [Renshaw] 153 (Fe)

Pathologic quiz case: an asymptomatic 79-year-old woman with an abnormal Papanicolaou test: adenoid basal carcinoma of the cervix [Khoory] 485 (Ap)

Quality indices in a cervicovaginal cytology service: before and after laboratory accreditation [Tan] 303 (Mr)

Valproic Acid

Adding pharmacogenetics to the clinical laboratory: narrow therapeutic index medications as a place to start [Bukaveckas] 1330 (De)

Vascular Diseases

Perivascular fibrosis in the bone marrow in sickle cell disease [Manci] 634 (Je)

Vascular Endothelial Growth Factor

Abstracts from the College of American Pathologists 2003 Annual Meeting (CAP '03), 139 (Fe)

Vascular Neoplasms

Kaposiform hemangioendothelioma associated with non-immune fetal hydrops [Martinez] 678 (Je)

Multiple cavernous hemangiomas of the lung: a case report and review of the literature [Fine] 1439 (De)

Veins

Total fibrous obliteration of main portal vein and portal foam cell venopathy in chronic hepatic allograft rejection [Jain] 64 (Ja)

Venous Thrombosis

Correlation of plasma coagulation parameters with thrombophilia, patient characteristics, and outcome in the MEDENOX study [Desjardins] 519 (My)

Multifocal polypoid endometriosis presenting as huge pelvic masses causing deep vein thrombosis [Laird] 561 (My)

Myocardial and cerebral infarction due to nonbacterial

thrombotic endocarditis as an initial presentation of pancreatic adenocarcinoma [Chen] 1307 (No)

Vertebral Neoplasms see Spinal Neoplasms

Vertically Integrated Health Care Systems see Delivery of Health Care

Very-Low-Density Lipoproteins see Lipoproteins, VLDL

Vesicostomy see Cystostomy

Viral Proteins

Evidence for involvement of transforming growth factor β 1 signaling pathway in activation of JC virus in human immunodeficiency virus 1-associated progressive multifocal leukoencephalopathy [Enam] 282 (Mr)

Viridans Streptococci

Phlegmonous gastritis associated with Kaposi sarcoma: a case report and review of the literature [Yu] 801 (Jy)

Virology

Analysis of deaths during the severe acute respiratory syndrome (SARS) epidemic in Singapore: challenges in determining a SARS diagnosis [Chong] 195 (Fe)

Stability of JC virus coding sequences in a case of progressive multifocal leukoencephalopathy in which the viral control region was rearranged markedly [Zheng] 275 (Mr)

Virtual Microscopy see Microscopy; User-Computer Interface

Virtual Reality see User-Computer Interface

Virtual Slides see User-Computer Interface

Virus Replication

Spinal cord neuropathology in human West Nile virus infection (letter) [Arya] (reply) [Fratkin] 1210 (No)

Vitamin K

Pathologic quiz case: a 64-year-old man with hematuria, intracranial hemorrhage, and severe coagulation abnormalities: long-acting warfarin-like rodenticide toxicity [Kurbegov] e181 (De)

Vocabulary, Controlled

Advancing Practice, Instruction, and Innovation Through Informatics (APIII 2003): scientific session and e-poster abstracts, 1089 (Oc)

Pathology informatics questions and answers from the University of Pittsburgh pathology residency informatics rotation [Harrison] 71 (Ja)

Vomiting

Pathologic quiz case: edema and diarrhea in a 2-year-old boy: Menetrier disease with cytomegalovirus gastritis [Black] e117 (Se)

Pathologic quiz case: a 13-year-old boy with a 2-day history of fever, vomiting, and mental status changes: *Chromobacterium violaceum* bacteremia [Grier] e131 (Oc)

von Willebrand Factor

Effects of pentasaccharide (fondaparinux) and direct thrombin inhibitors on coagulation testing [Gosse] 1142 (Oc)

Vulvar Neoplasms

Pathologic quiz case: fine-needle aspiration of lytic bone lesions in a 63-year-old woman: metastatic basal cell carcinoma to the bone in Gorlin syndrome [Adem] 819 (Jy)

W

Warfarin

Adding pharmacogenetics to the clinical laboratory: narrow therapeutic index medications as a place to start [Bukaveckas] 1330 (De)

Effect of polymorphisms in the cytochrome P450 CYP2C9 gene on warfarin anticoagulation [Adcock] 1360 (De)

The -omics era and its impact [Kiechle] 1337 (De)

Pathologic quiz case: a 64-year-old man with hematuria, intracranial hemorrhage, and severe coagulation abnormalities: long-acting warfarin-like rodenticide toxicity [Kurbegov] e181 (De)

Wattle

Pathologic quiz case: an anterior neck mass in a 5-month-old female infant: wattle (congenital cervical tragus) [Rund] 1453 (De)

Wegener's Granulomatosis

Carcinoma of the urinary bladder following cyclophosphamide therapy: evidence for monoclonal origin and chromosome 9p allelic loss [Mukhopadhyay] e8 (Ja)

Pathologic quiz case: a 77-year-old woman with bilateral breast masses: amyloidosis involving the breast [Fleury] e67 (Ap)

Weight Loss

Collagenous gastritis: an unusual association with profound weight loss [Wang] 229 (Fe)

Welch, William H.

William H. Welch, MD, and the discovery of *Bacillus welchii* [Lucey] 1193 (Oc)

West Nile Fever

Spinal cord neuropathology in human West Nile virus infection [Fratkin] 533 (My)

Spinal cord neuropathology in human West Nile virus infection (letter) [Arya] (reply) [Fratkin] 1210 (No)

White Matter see Brain

Whites see European Continental Ancestry Group

Wiskott-Aldrich Syndrome

Current applications of flow cytometry in the diagnosis of primary immunodeficiency diseases [Illoh] 23 (Ja)

Wnt Protein see Proto-Oncogene Proteins

Wolffian Duct

Pathologic quiz case: a 34-year-old woman with an inguinal mass: female adnexal tumor of probable wolffian origin [Halushka] 1301 (No)

Workforce see Laboratory Personnel

Workload

Comparative analytical costs of central laboratory glucose and bedside glucose testing: a College of American Pathologists Q-Probes study [Howanitz] 739 (Jy)

World Health

Musculoskeletal conditions affect millions [McClatchey] 480 (Ap)

World Health Organization

A clinicopathologic evaluation of follicular lymphoma grade 3A versus grade 3B reveals no survival differences [Hsi] 863 (Au)

Salivary adenocarcinoma, not otherwise specified: a collection of orphans [Li] 1385 (De)

World Health Organization Grading see Neoplasm Staging

WORLD SCOPE

Musculoskeletal conditions affect millions [McClatchey] 480 (Ap)

World Wide Web see Internet

Wright, James Homer

A rosette by any other name ... (letter) [O'Malley] 134 (Fe)

X

Xanthelasma see Xanthomatosis

Xanthoastrocytoma see Astrocytoma

Xanthogranuloma

Xanthogranulomatous funiculitis and orchipididymitis: report of 2 cases with immunohistochemical study and literature review [Nistal] 911 (Au)

Xanthoma see Xanthomatosis

Xanthomatosis

Gastric lipid islands [Chandan] 937 (Au)

XML see Computers

Z

ZD1839 see Gefitinib

